

Historic, Archive Document

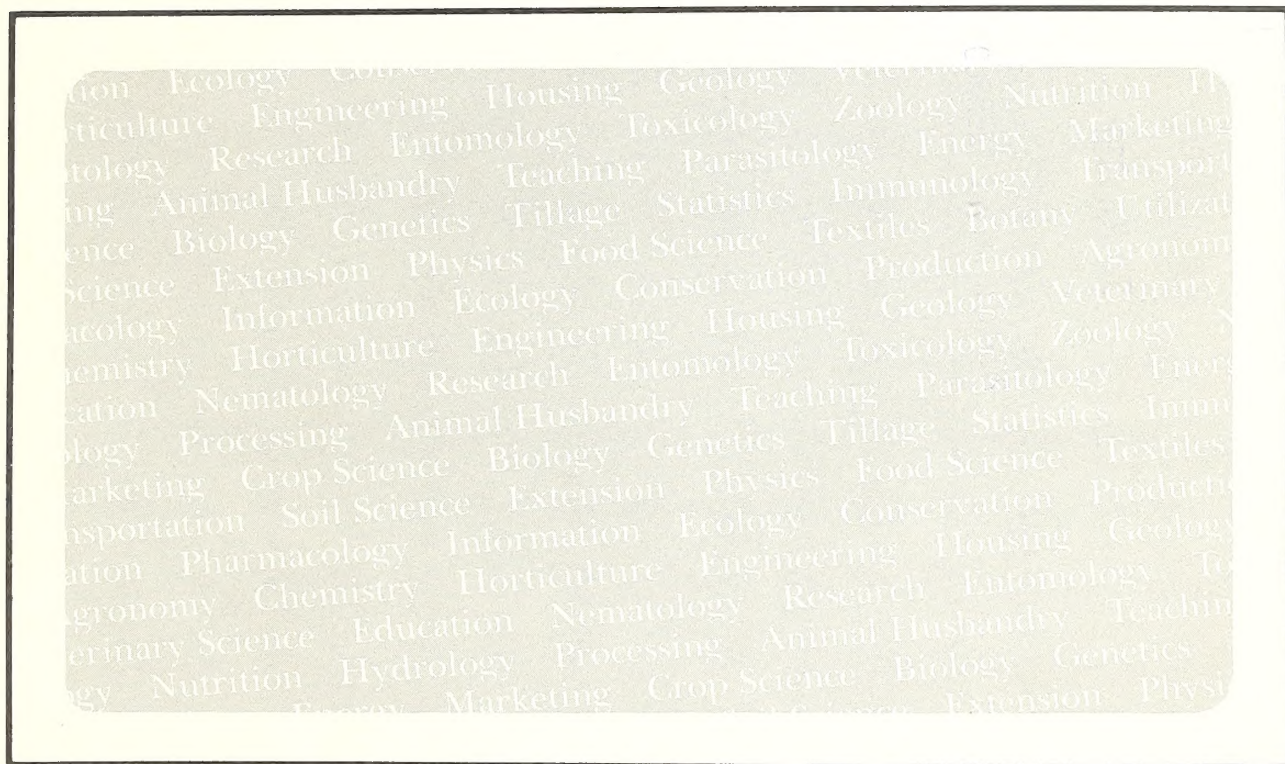
**Do not assume content reflects current
scientific knowledge, policies, or practices.**

a 521
ATSU65
copy 3

5

ISSN 0139-3779

Catalog of the Tobacco Introductions in the U.S. Department of Agriculture's Tobacco Germplasm Collection (*Nicotiana tabacum*)



U.S. Department of Agriculture
Agricultural Research Service
Agricultural Reviews and Manuals • ARM-S-27/October 1982

Catalog of the Tobacco Introductions in the U.S. Department of Agriculture's Tobacco Germplasm Collection (*Nicotiana tabacum*)

By James F. Chaplin, J. R. Staveland, C. C. Litton, G. W. Pittarelli, and W. H. West, Jr.

This publication is available from the Tobacco Research Laboratory, Route 2, Box 16G, Oxford, N.C. 27565.

Agricultural Research Service, Agricultural Reviews and Manuals, Southern Series, No. 27, October 1982.

Published by Agricultural Research Service (Southern Region), U.S. Department of Agriculture, P.O. Box 53326, New Orleans, La. 70153.

CONTENTS

	Page
Abstract	1
Introduction	1
Agronomic characteristics	2
Plant type	3
Plant characteristics	4
References	4
Catalog of tobacco introductions	6

Catalog of the Tobacco Introductions in the U.S. Department of Agriculture's Tobacco Germplasm Collection (*Nicotiana tabacum*)

By James F. Chaplin,¹ J. R. Stavelly,² C. C. Litton,³ G. W. Pittarelli,⁴ and W. H. West, Jr.⁵

ABSTRACT

This catalog describes the over 1,000 tobacco introductions (*Nicotiana tabacum* L.) in the U.S. Department of Agriculture's tobacco germplasm collection. Seed from the collection are available in limited quantities for research and breeding. The description includes plant origin, native designation, plant type, how leaves are attached, flower color, time to flower, angle of leaf to stem, leaf width and length, number of leaves per plant, number of suckers per plant (pretopped and posttopped), plant height, and plant yield. Index terms: agronomic characteristics, catalogs, germplasm, *Nicotiana tabacum* L., tobacco, tobacco collections, tobacco introductions.

INTRODUCTION

The U.S. Department of Agriculture's (USDA) Agricultural Research Service maintains a large collection of morphologically diverse tobaccos, *Nicotiana tabacum* L., obtained from many foreign countries, Puerto Rico, and, in a few instances, from the continental United States. Seed from the collection are available to plant breed-

ers, geneticists, and other researchers in tobacco and other plants; to experiment stations; and to public and private research organizations for research and breeding purposes. Seed can be obtained from the Tobacco Research Laboratory, Route 2, Box 16G, Oxford, N.C. 27565. Shipments will be limited to 0.2 g, unless specific requirements are stated for a larger amount. **Seed are not available in bulk quantities for commercial planting.**

The entries in this collection were originally designated as TI's for tobacco investigations, but the letters have come to stand for tobacco introductions. Collection of the TI's was begun by USDA early in the 20th century. No record is now available for the dates of accession of many of the early entries in the collection—the earliest recorded was acquired in 1913. About 150 accessions were collected from the beginning until 1934. Then, in 1934, Edward E. Clayton, a plant pathologist, joined USDA's tobacco research group to initiate a research program in tobacco-disease control. He soon realized that to maximize chances for obtaining new sources of dis-

¹Director, Tobacco Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture, Route 2, Box 16G, Oxford, N.C. 27565, and professor, Crop Science Department, North Carolina State University, Raleigh.

²Research plant pathologist, Applied Plant Pathology Laboratory, Plant Protection Institute, Beltsville Agricultural Research Center, Agricultural Research Service, U.S. Department of Agriculture, BARC-West, Beltsville, Md. 20705.

³Research agronomist, Agricultural Research Service, U.S. Department of Agriculture, Department of Plant Pathology, University of Kentucky, Lexington, Ky. 40546.

⁴Agricultural research technician, Tobacco Laboratory, Plant Genetics and Germplasm Institute, Beltsville Agricultural Research Center.

⁵Agricultural research technician, Tobacco Research Laboratory, Oxford.

ease resistance an extensive collection of tobacco germplasm was needed.

Because *N. tabacum* originated in either Central or South America and is quite diverse in both, it was decided to begin the collection in these regions. So, in 1935, the USDA's Division of Plant Exploration and Introduction, Bureau of Soils and Agricultural Engineering, employed two men, W. Andrew Archer and Raymond Stadelman, to make extensive explorations and collections of native tobaccos in Mexico and in Central and South America. Archer collected mainly in Mexico, Guatemala, Honduras, Costa Rica, Brazil, and Argentina; Stadelman in Colombia, Peru, Ecuador, and Venezuela. During their expeditions, Clayton carried on an extensive correspondence with Archer and Stadelman, and much of this correspondence is still in the files of the Agricultural Research Service's Tobacco Laboratory in Beltsville, Md. For most accessions of these two collectors, detailed records are available for date of collection; native designation; farm, town, district, state, and country where obtained; and other information. By the time that Archer and Stadelman completed their expeditions in 1937, TI numbers up to 1160 had been assigned. These two men deserve great credit for the thoroughness of their efforts and the hardships they endured in their searches through often difficult terrain. They were responsible for over 90% of the accessions during the 3 years of their expeditions. The other 10% were contributed by several collectors. All TI's numbered 1161 and higher have been added since 1937; they have come from many collectors and breeders.

The collection left by Clayton in 1955 included *Nicotiana* species other than *N. tabacum*. These have been moved from the TI collection to either the *N. rustica* collection of 54 accessions or the *Nicotiana* species collection, both maintained by USDA. Also, many duplicates have been removed from the TI collection, and some TI's are no longer available because of the loss of viable seed. So, though the TI's in the catalog are numbered to 1504, there are only about 1,000 accessions listed.

The collection has had to be maintained through periodic seed increases. Over the years, because of limited support for this program, seeds have been taken from a restricted number of plants. Seed increase has been done in the absence of pathogens or other apparent selection

pressures. In some instances, particularly those TI's originating from mixed seed collections, diversity has decreased. Some accessions undoubtedly differ from those originally put in the collection.

Burk and Heggstad (1959) compiled data on 185 of the TI's. Several publications (Clayton and Smith 1942; Clayton 1953, 1969; Clayton et al. 1958; Chaplin and Gooding 1969; Litton et al. 1970; Stavely 1971; Sievert 1972a, 1972b; Chaplin et al. 1976; Grosso 1976; Johnson 1978; Thurston 1979; Stavely et al. 1981) have dealt with disease and insect resistance of the TI's. But little has been published about the agronomic and morphological characters of the TI's. So, for each plant, this catalog includes plant origin, native designation, plant type, how leaves are attached, flower color, time to flower, angle of leaf to stem, leaf width and length, number of leaves per plant, number of suckers per plant (pretopped and posttopped), plant height, and plant yield.

USDA also maintains a collection of cultivars, and we hope to publish a catalog of this collection. Additional data, such as chemical analysis, are being obtained on the TI collection. These will be published later.

AGRONOMIC CHARACTERISTICS

In 1969, seeds of each of the then 994 TI's in the collection were sown in a greenhouse at the Agricultural Research Service's Oxford Tobacco Research Laboratory, Oxford, N.C. They were transplanted to bands in flats, where they grew until they reached transplanting size. Five plants of each TI were transplanted to the field at Oxford into each of two replicates. They were grown by flue-cured tobacco cultural methods and fertilized with 784 kg of 6-12-18 fertilizer per hectare in the preplant row. A topdressing of 112 kg of 15-0-14 was applied a few weeks after transplanting. All plants were topped when the first flower began to show pink. The plants were hand-suckered, and in some cases they were broken to one central stem. Leaves were harvested by primings and flue-cured by conventional methods.

In 1974, 1,063 of the TI's then in the collection were grown in the field by burley-tobacco cultural methods at Lexington, Ky. They were planted in 1 replicate of 10 plants. Fertilization consisted of 1,680 kg of 5-10-15 fertilizer per hectare plus 560

kg of ammonium nitrate per hectare broadcast before planting. All plants were topped when 50% of the flowers had opened, at the second leaf below the ball sucker. The plants were cut, speared on sticks, and harvested and cured by conventional methods for burley. In the 1974 planting, TI Nos. 246, 421, 1128, 1247, 1324, and 1480 that had been grown at Oxford were not included. The 1974 planting included 80 TI's that were not grown at Oxford in 1969.

The catalog gives a summary of the agronomic data for each TI included in the collection in 1974. (We don't yet have any data for the few added since then.) The agronomic data are the averages from the two replicates grown at Oxford in 1969 and the one replicate grown at Lexington in 1974. Given in the catalog for each TI is the USDA Plant Introduction (PI) number, country of origin, and native designation (where known). The methods used to produce the agronomic data are described below.

Except for flower color, all reported characters are greatly influenced by environment, so data are differentiated by location (Oxford and Lexington) instead of being averaged. (The angle of attachment of the leaf to the stalk and flower color were taken only at Oxford.) These data must be considered as relative and not absolute; for example, Turkish tobacco grown at Oxford or Lexington has a much larger leaf than it does when grown under Turkish growing conditions.

PLANT TYPE

Plant type was judged from the field appearance of each TI. Types assigned included burley (B), cigar filler (CF), cigar wrapper (CW), flue-cured (FC), Hungarian (H), primitive (P), pale-yellow (PY), Turkish (T), and no type identified (NT). Names are based on resemblances, not on potential use.

Burley.—The outstanding characteristic of burley types is the creamy color of the stalk and midrib. When grown with low available nitrogen, the plants are light yellowish green. And, because of the low chlorophyll, the leaves will deteriorate rapidly on maturing, especially in hot climates. The older burley types have horizontal or drooping leaves, and the newer types have upright leaves. The flower head is somewhat compact when compared with flue-cured types. The burley character is controlled by two recessive genes

(wb_1 and wb_2), and all lines that have these two genes were classified as burley (Henika 1932).

Cigar-filler.—Lines characterized as cigar filler have erect growing leaves that are narrow; some are relatively long. The plants are generally short, have close internodes, and are dark green. In some lines, the leaves are so long that they droop, and the ends may touch the soil. These types usually stay green until maturity, when the leaves go from green to brown. This is a large group and probably contains some dark-fired and cigar-binder types.

Cigar-wrapper.—The cigar-wrapper type is generally a tall plant with a relatively spreading seedhead and fairly long internodes that produce broad leaves of moderate size. Some of the plants classified as cigar wrapper may have a more pointed leaf than the typical cigar-wrapper cultivars.

Flue-cured.—The flue-cured types are generally divided into broadleaf and narrowleaf groups. The narrowleaf types are characterized by wide spacing of the leaves on the stalk and relatively narrow and pointed leaves that grow more or less horizontal to the ground. The leaves are generally medium in length. The broadleaf types have broader leaves, sometimes almost oval. All flue-cured types are characterized by gradual ripening of the leaves up the stalk; the leaves usually have a yellow cast when mature, while the leaves of most other types will go from green to brown on maturing. The flue-cured lines have a fairly long flower stalk with a relatively open flower head.

Hungarian.—A type of oriental tobacco that contrasts with the Turkish type, Hungarian has a somewhat larger leaf and closer internodes. The outstanding feature of this type is the position of the flower head, which is recessed between the upper leaves and has a short stalk. Actually, the top leaves may appear to be above the seed head. All plants classified as Hungarian have this characteristic flower head.

Primitive.—All types described except primitive have a main central stem and do not branch very profusely until after the top is broken out. The primitive types are characterized by profuse branching, and many lines do not have a central stem. The plants are generally low growing with small leaves, which are extremely narrow. The primitive types bloom quite early and produce very few leaves, but the branches contain many small leaves.

Pale yellow.—The pale-yellow types are plants

that contain the dominant *PY* gene (Chaplin 1969). The leaf shape, height of plant, etc. will vary. When grown under flue-cured or low-nitrogen conditions, the plants lose much of their green color as they mature. In a short time after flowering, the plants become light yellow. All leaves on the stalk turn yellow at about the same time and resemble burley tobacco in color. But, unlike burley, the stalk remains green. The stalk and midrib of the leaves at maturity may be a little lighter than those of normal green types.

Turkish.—The Turkish group contains lines that resemble Turkish or oriental cultivars. The Turkish group is variable and ranges from pointed- to rounded-leaf types. The plants so classified are small and have smaller leaves than most other types; some have leaves with a naked petiole, and some of the plants lodge. The Turkish types flower early but produce a flower head that protrudes well above the top leaves. The classification in this catalog does not associate the type with the Turkish aroma characteristics.

PLANT CHARACTERISTICS

Leaf attachment.—"Leaf attachment" refers to the description of the petiole where it is attached to the stem. This may be either petiolate (P) or sessile (S).

Flower color.—Flower color is designated as white (W), pink (P), or red (R). In some TI's of mixed origin, the flower color varies from plant to plant, in which case the predominant color is given. Only those flowers completely lacking pigmentation were considered to be white, and only those having easily distinguishable red color were considered red. All intermediate shades were designated pink. There are many shades of pink among the flowers in the collection.

Time to flower.—Time to flower is the number of days from transplanting to the field until the first blossom in the flower head was fully open in the test at Oxford and when 50% of the flowers in the head were open in the Lexington test.

Leaf angle.—Leaf angle was determined by measuring the number of degrees between the stem and the upper leaf surface at the point of attachment to the stem. This measurement was taken on the largest leaf of each plant just before harvest.

Leaf width and length.—Leaf width and length were measured on the largest leaf of each plant

just before harvest. The width was determined at the broadest part of the leaf.

Number of leaves per plant.—The number of leaves per plant was counted after topping. All leaves on the main stem were included. The primitive types were broken to one main stem, and the leaves on that main stem were counted.

Total number of suckers.—The total number of suckers was counted pretopping and posttopping. The pretopping suckers were counted just before topping. At Oxford, the posttopping suckers were counted twice, 2 and 4 weeks after topping, and the numbers were added together to give the total recorded in the table. The posttopping sucker count at Lexington was taken at time of harvest.

Plant height.—Plant height was measured before topping, at the time of flowering. The distance from the soil surface to the point where the plants would be topped was measured on each plant.

Plant yield.—Plant yield was measured by weighing all of the cured leaves from each plant.

REFERENCES

- Burk, Lawrence G., and Heggstad, Howard E.
1959. Characteristics of a world collection of introduced *N. tabacum* types. U.S. Dep. Agric. Crops Res. CR-32-59, pp. P1-P11.
- Chaplin, James F.
1969. Inheritance and possible use of pale-yellow character in tobacco. *Crop Sci.* 9: 169-172.
- Chaplin, J. F.; Baumhover, A. H.; Burk, L. G.; Elsey, K. D.; and Miles, J. D.
1976. Tobacco budworm resistance in *Nicotiana tabacum*. *Tob. Sci.* 20: 149-150.
- Chaplin, James F., and Gooding, G. V.
1969. Reaction of diverse *Nicotiana tabacum* germ-plasm to tobacco mosaic virus. *Tob. Sci.* 13: 130-133.
- Clayton, E. E.
1953. Control of tobacco diseases through resistance. *Phytopathology* 43: 239-244.
1969. The study of resistance to black root rot disease of tobacco. *Tob. Sci.* 13: 30-37.
- Clayton, E. E.; Graham, T. W.; Todd, F. A.; Gaines, J. G.; and Clark, F. A.
1958. Resistance to the root knot disease of tobacco. *Tob. Sci.* 2: 53-63.
- Clayton, Edward E., and Smith, Thomas E.
1942. Resistance of tobacco to bacterial wilt (*Bacterium solanacearum*). *J. Agric. Res. (Washington, D.C.)* 65: 547-554.
- Grosso, J. J.
1976. Reaction of diverse *Nicotiana tabacum* germ-plasm to blue mold. *Tob. Sci.* 20: 147-148.

- Henika, F. S.
 1932. The inheritance of the white burley character in tobacco. J. Agric. Res. (Washington, D.C.) 44: 477-493.
- Johnson, Albert W.
 1978. Evaluation of several *Nicotiana tabacum* entries for resistance to two tobacco insect pests. Tob. Sci. 22: 41-43.
- Litton, C. C.; Collins, G. B.; and Legg, P. D.
 1970. Reaction of *Nicotiana tabacum* and other *N. species* to race 0 and 1 of *Phytophthora parasitica* var. *nicotianae*. Tob. Sci. 14: 128-130.
- Sievert, R. C.
 1972a. Resistance to anthracnose in the genus *Nicotiana*. Tob. Sci. 16: 32-34.
- 1972b. Sources of resistance to potato virus Y in the genus *Nicotiana*. Tob. Sci. 16: 92-94.
- Stavelly, J. R.
 1971. Resistance to frog-eye leafspot in diverse *Nicotiana tabacum* germplasm. Tob. Sci. 15: 132-134.
- Stavelly, J. R.; Gwynn, G. R.; Chaplin, J. F.; Graham, T. W.; and Main, C. E.
 1981. Brown spot resistance in *Nicotiana tabacum* germplasm. Tob. Sci. 25: 24-29.
- Thurston, Richard.
 1979. Susceptibility in *Nicotiana* to the Colorado potato beetle. Tob. Sci. 23: 70-71.

CATALOG OF TOBACCO INTRODUCTIONS

TI No.	PI No.	Origin	Native designation	Plant type	Leaf type	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped	Post-topped	
4	404935	Cuba	-----	P	S	P	Oxford	42	129	23	34	15	3	18	93
							Lexington	49	90	24	41	17	11	14	107
7	404936	Algeria	Arbi	CW	S	W	Oxford	54	84	22	38	20	8	18	131
							Lexington	72	83	22	41	29	24	12	167
11	404937	Puerto Rico.	-----	P	S	P	Oxford	43	118	19	46	15	16	13	126
							Lexington	56	91	18	45	18	12	15	149
14	59335	Uruguay	Amarillo Rio Grande do Sul, No. 1.	PY	S	P	Oxford	65	79	29	56	15	0	6	125
							Lexington	76	72	28	64	27	2	10	148
25	404938	-----do-----	-----	CF	S	P	Oxford	45	105	24	48	14	0	27	70
							Lexington	54	80	29	52	20	6	7	83
36	404939	-----do-----	-----	P	S	P	Oxford	40	99	20	45	13	5	21	105
							Lexington	47	91	17	46	17	8	12	100
39	404940	-----do-----	-----	P	S	P	Oxford	42	123	18	42	11	10	20	107
							Lexington	42	87	13	38	17	14	8	89
51	404941	Peru	No. 5 R silvestre	CW	S	R	Oxford	65	110	31	51	16	1	9	175
							Lexington	66	118	30	55	26	5	16	216
52	404942	-----do-----	No. 4 B silvestre	CW	S	W	Oxford	57	81	27	42	15	16	17	160
							Lexington	67	73	23	40	19	17	11	131
57	404943	Argentina	Correntino	CF	S	P	Oxford	47	90	25	55	16	4	17	90
							Lexington	51	88	23	67	17	17	11	109
58	404944	-----do-----	Lampazo	PY	S	P	Oxford	47	87	25	51	16	1	19	129
							Lexington	54	84	22	49	17	4	9	123
59	52177	Africa	-----	P	S	P	Oxford	40	123	22	39	13	9	16	88
							Lexington	57	78	23	49	18	20	12	149
60	50841	-----do-----	N'Gana N'Gana	P	S	P	Oxford	42	96	24	38	13	9	16	95
							Lexington	45	63	21	42	16	12	11	90
61	50840	-----do-----	-----	P	P	P	Oxford	40	95	23	41	14	6	25	93
							Lexington	53	89	16	36	14	8	11	87
62	404945	-----do-----	Bahia	CF	S	P	Oxford	47	93	23	48	16	3	18	109
							Lexington	63	88	16	51	20	6	14	121
66	59336	Uruguay	-----do-----	CW	S	R	Oxford	52	91	27	51	17	3	18	120
							Lexington	56	87	25	56	20	4	14	153
68	64315	China	Aromatic Chinese	P	P	P	Oxford	25	139	12	24	11	6	21	48
							Lexington	57	67	13	23	6	5	5	28
69	62293	Algeria	Colon	H	S	P	Oxford	49	85	27	47	16	1	8	70
							Lexington	55	69	30	68	20	6	9	90
70	404946	China	-----	P	S	P	Oxford	43	106	22	45	15	8	15	94
							Lexington	46	89	25	55	15	17	14	116
72	404947	Persia	Persian type 2	P	S	P	Oxford	40	90	27	38	14	5	14	90
							Lexington	46	82	26	42	13	13	6	107
73	404948	-----do-----	Persian type 1	P	S	P	Oxford	38	105	23	43	13	5	20	115
							Lexington	45	66	14	34	16	3	8	82
74	404949	Uruguay	Amarillo Rio Grande do Sul, No. 1.	PY	S	P	Oxford	57	79	22	55	14	1	8	118
							Lexington	62	75	31	79	20	4	10	150
75	404950	Honduras	-----	CW	S	W	Oxford	47	85	29	47	16	10	12	119
							Lexington	54	77	22	41	20	8	9	116

77	404951	-----	CF	S	P	Oxford -- Lexington	49	88	28	53	17	6	20	114	100
78	404952	Philippines.	CW	S	P	Oxford -- Lexington	61	83	30	67	22	19	12	146	105
79	67720	Java ----- Xanthia Like	CW	S	P	Oxford -- Lexington	47	81	29	64	20	4	12	171	100
80	70813	China -----	P	S	P	Oxford -- Lexington	57	89	24	46	21	10	18	135	64
81	73505	Java ----- Orinoco	P	S	P	Oxford -- Lexington	44	116	19	42	13	6	18	106	45
82	70987	People's Republic of China.	CW	S	P	Oxford -- Lexington	47	100	23	48	14	3	15	119	34
83	404953	-----	CW	S	R	Oxford -- Lexington	51	75	29	42	16	3	11	116	93
84	59339	Uruguay -- Fumo Bahiano No. 4	P	S	P	Oxford -- Lexington	36	64	34	55	21	10	6	150	38
85	59334	-----do----- Amarillo or Cheiroso	P	S	R	Oxford -- Lexington	48	99	24	48	11	7	12	85	48
86	404954	Russia --- Okso Turkish	T	P	P	Oxford -- Lexington	51	91	23	47	16	2	12	119	80
87	404955	-----do----- Amuiran Turkish	T	S	P	Oxford -- Lexington	43	101	25	42	15	10	16	89	66
88	404956	-----do----- Tykulak	T	P	P	Oxford -- Lexington	53	77	23	46	20	14	19	105	60
89	404957	-----do----- Turkish Varotic	T	S	P	Oxford -- Lexington	42	102	25	43	15	1	14	108	64
90	404958	-----do----- Turkish Angshit	T	S	P	Oxford -- Lexington	48	98	28	53	28	7	21	123	97
91	404959	-----do----- Turkish Samsun	T	P	P	Oxford -- Lexington	35	113	20	36	11	11	12	75	30
92	404960	-----do----- Turkish Tropizoid	T	P	P	Oxford -- Lexington	32	70	17	31	8	7	7	40	29
93	404961	-----do----- Plantana Arcadia	T	P	P	Oxford -- Lexington	27	73	19	34	12	8	13	54	32
94	404962	Puerto Rico.	P	S	P	Oxford -- Lexington	44	82	25	49	16	10	13	106	74
95	404963	Brazil --- Azul Nalioc	FC	S	P	Oxford -- Lexington	37	100	25	42	13	6	23	91	50
96	404964	-----do----- Mariense	B	S	P	Oxford -- Lexington	44	78	25	45	15	14	10	109	41
97	404965	Mexico --- Santiago Tuxla	CW	P	P	Oxford -- Lexington	41	77	16	38	17	17	12	76	28
98	404966	Venezuela	CF	S	P	Oxford -- Lexington	44	97	23	42	15	5	20	93	50
99	404967	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	37	124	19	42	13	11	18	83	45
100	404968	-----do----- Tabaco Guacharo	CF	S	P	Oxford -- Lexington	42	83	22	51	14	16	10	108	38
101	404969	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	49	89	23	47	15	15	15	84	80
102	404970	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	57	79	24	65	20	16	14	132	58
103	404971	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	45	77	20	42	16	12	18	102	77
104	404972	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	49	76	24	50	19	9	15	122	53
105	404973	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	51	92	28	48	15	7	19	113	70
106	404974	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	61	85	33	53	22	15	12	161	53
107	404975	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	47	90	24	55	17	6	15	109	84
108	404976	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	53	94	24	63	19	12	15	126	75
109	404977	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	65	67	24	56	21	0	5	282	127
110	404978	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	80	77	20	61	34	4	--	205	155
111	404979	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	47	73	29	53	15	2	13	141	102
112	404980	-----do----- Tabaco Negro	CF	S	P	Oxford -- Lexington	56	73	26	58	18	4	12	166	67

KEY:--TI=tabacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PV=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

133	404984	Puerto Rico.	Ututo	-----	P	S	P	Lexington	76	85	24	61	22	3	9	147	80
134	404985	---do---	Ceniza	-----	P	S	P	Oxford --	42	105	24	48	13	8	20	108	50
135	404986	---do---	Florida	-----	P	S	P	Oxford --	56	88	23	47	16	12	9	123	32
136	404987	---do---	Virginia	-----	P	S	P	Oxford --	35	113	25	43	12	10	12	90	61
138	71813	Africa ---	Chobo Giant	-----	P	S	P	Oxford --	48	98	22	43	11	12	8	106	26
139	71812	Nyasaland	Possibly from a <u>N. rustica</u> hybrid.	-----	P	S	P	Oxford --	38	108	23	39	15	7	25	102	45
141	106576	British Guiana.	Buck Tobacco, Zure	---	CF	S	P	Lexington	49	92	27	48	12	14	13	107	34
143	106958	---do---	-----	---	CW	S	P	Oxford --	40	113	23	47	13	4	28	105	52
144	107264	Peru -----	Wild, Piura	-----	CW	S	P	Oxford --	51	90	18	47	16	11	14	122	34
148	404988	Philip-pines.	Romero	-----	P	P	P	Oxford --	47	105	18	41	15	9	17	102	52
149	404989	---do---	Vizcaya	-----	CW	S	P	Oxford --	54	106	16	43	18	15	13	130	36
150	404990	---do---	Repollo	-----	CW	S	P	Oxford --	40	100	25	45	13	6	14	96	68
151	404991	---do---	Espado	-----	CW	S	P	Oxford --	47	89	22	43	12	7	12	152	69
152	404992	Philip-pines.	Simmaba	-----	CW	S	P	Oxford --	65	81	24	51	24	5	26	144	111
153	404993	---do---	Pumpano	-----	CW	S	P	Oxford --	76	91	26	56	35	16	--	163	114
154	107475	Dutch Guiana.	-----	---	CW	S	P	Oxford --	61	78	28	41	16	8	10	153	70
156	109940	Venezuela	Cultivated Tobacco	---	CW	S	P	Oxford --	76	98	28	44	21	16	12	155	54
157	110515	Peru -----	Silvestre	-----	CW	S	R	Oxford --	43	99	27	55	15	4	18	117	80
158	404994	Japan -----	Kagoshima Maruba	-----	T	S	P	Oxford --	58	129	22	43	12	4	18	106	32
160	404995	---do---	Nuitsu	-----	P	S	P	Oxford --	38	116	12	28	10	4	10	69	13
160	404996	---do---	-----do-----	-----	P	P	P	Oxford --	45	86	31	60	14	2	19	121	75
161	404997	---do---	Higo	-----	CW	P	P	Oxford --	61	94	23	53	17	5	9	150	55
161	404998	---do---	-----do-----	-----	FC	S	P	Oxford --	45	102	29	60	14	1	16	120	77
B								Lexington	55	83	26	72	18	6	10	142	90
								Oxford --	47	93	25	55	15	1	11	132	80
								Oxford --	57	80	23	59	20	4	10	169	62
								Oxford --	47	75	31	55	15	1	8	122	68
								Oxford --	55	66	35	65	17	7	12	144	55
								Oxford --	45	92	32	53	15	3	15	116	98
								Oxford --	55	91	27	55	18	6	12	147	74
								Oxford --	49	74	29	46	16	1	12	110	59
								Oxford --	61	64	28	50	21	5	14	166	65
								Oxford --	57	84	24	46	16	22	11	166	70
								Oxford --	67	96	23	49	24	23	14	179	67
								Oxford --	73	100	28	52	17	1	5	173	77
								Oxford --	72	117	32	57	22	5	12	181	93
								Oxford --	49	99	27	38	16	5	16	132	80
								Oxford --	56	72	22	30	18	9	11	95	30
								Oxford --	40	123	27	39	12	4	17	94	59
								Oxford --	53	92	30	47	15	10	13	123	72
								Oxford --	38	119	18	37	12	7	31	105	50
								Oxford --	51	101	17	40	18	11	11	117	38
								Oxford --	45	76	36	52	14	3	12	108	73
								Oxford --	57	103	36	73	20	7	10	168	100
								Oxford --	47	75	41	55	15	2	13	115	95
								Oxford --	55	98	33	73	18	7	12	169	79

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped			Post- topped	
162	404999	Japan	Nambu	P	P	P	Oxford	--	40	134	28	46	12	3	20	106	57
163	405000	---do---	Katsuyama	CF	S	W	Lexington	--	40	91	29	52	12	13	8	93	43
164	405001	---do---	Kokubu	CW	S	P	Lexington	--	58	78	36	61	15	5	7	93	28
165	405002	---do---	Hatano	CF	S	P	Oxford	--	51	93	28	47	17	1	11	138	59
166	405003	---do---	AWA	FC	S	P	Lexington	--	59	58	27	52	23	7	11	168	65
167	405004	---do---	Suifu	CW	P	P	Oxford	--	42	83	41	58	14	1	12	80	102
168	405005	---do---	Matsukawa	CF	S	P	Lexington	--	55	82	34	58	17	3	9	126	96
169	405006	---do---	Sagusya	CW	S	R	Oxford	--	49	88	32	53	15	0	11	138	82
170	405007	---do---	Dawma	CF	S	P	Lexington	--	56	77	28	60	22	3	9	153	88
171	110680	Brazil	Pretinho	P	S	P	Oxford	--	42	158	25	48	13	3	15	113	66
172	110681	---do---	Saraca	CF	S	P	Lexington	--	53	124	28	51	17	4	7	132	54
173	110679	Brazil	Barwry	FC	S	P	Oxford	--	43	84	41	59	16	2	12	82	100
174	110854	Colombia	Cali	CW	S	R	Lexington	--	57	82	30	53	16	3	8	90	50
177	111003	---do---	Tabaquillo	P	S	P	Oxford	--	49	81	28	55	17	0	8	139	59
178	405008	---do---	---	P	S	P	Lexington	--	60	100	23	59	23	2	6	187	67
179	405009	---do---	---	P	S	P	Oxford	--	43	74	41	59	13	0	10	77	111
180	112115	Honduras	Chichicaste	P	S	P	Lexington	--	67	52	25	53	15	4	5	111	43
181	112200	Mexico	Cordoba Type	P	S	P	Lexington	--	43	106	22	47	15	18	15	135	45
182	112201	---do---	Criollo	P	S	P	Oxford	--	46	101	18	45	14	14	14	136	30
183	112202	---do---	Habanero Blanco	P	S	P	Oxford	--	54	125	23	50	18	5	20	138	75
184	112203	---do---	Habanero Legitimo	P	S	P	Lexington	--	56	87	19	54	23	22	9	135	48
185	112204	---do---	Valle Nacional	P	S	P	Lexington	--	45	73	23	53	15	7	12	93	118
186	112205	Mexico	Vena Amarilla	B	S	P	Oxford	--	49	74	33	46	16	5	14	118	82
187	112206	---do---	Cultivated Tobacco	B	S	P	Lexington	--	54	70	23	55	20	14	10	140	51
							Oxford	--	47	107	22	48	15	5	18	123	61
							Lexington	--	54	82	20	52	17	15	9	148	51
							Oxford	--	43	112	25	51	13	2	16	103	57
							Lexington	--	54	107	23	56	15	7	11	125	52
							Oxford	--	61	78	24	45	22	0	16	135	75
							Lexington	--	61	69	26	50	22	6	15	127	42
							Oxford	--	33	98	22	41	12	8	8	85	59
							Lexington	--	43	79	15	29	13	6	9	74	21
							Oxford	--	38	104	25	50	12	7	18	90	66
							Lexington	--	46	84	21	51	14	14	11	107	34
							Oxford	--	42	101	23	45	14	9	17	110	64
							Lexington	--	53	89	19	44	17	5	11	125	38
							Oxford	--	40	107	23	47	14	9	11	102	64
							Lexington	--	49	90	15	33	14	5	10	79	18
							Oxford	--	42	100	22	47	15	9	13	118	95
							Lexington	--	51	69	18	43	16	9	9	120	32
							Oxford	--	40	106	24	43	12	5	15	113	70
							Lexington	--	54	112	19	42	14	8	11	125	25
							Oxford	--	43	89	24	47	14	17	16	104	82
							Lexington	--	53	77	23	49	20	6	15	119	47
							Oxford	--	45	88	28	47	16	17	14	97	68

188	112207	----do-----	Tlapacoyan	-----	P	S	P	Lexington	54	82	22	47	18	11	11	128	55
189	112208	----do-----		-----	P	S	P	Oxford	43	103	31	53	14	5	12	123	91
191	112158	----do-----	Cordoba Type	-----	P	S	W	Lexington	54	91	19	41	15	2	9	105	25
192	112159	----do-----		-----	P	S	W	Oxford	43	109	31	41	13	9	16	97	61
193	112160	----do-----		-----	P	S	W	Lexington	52	110	23	35	14	13	10	116	26
194	112161	----do-----		-----	P	S	W	Oxford	40	105	29	47	12	5	14	103	80
195	112162	----do-----		-----	P	S	W	Lexington	51	90	21	39	12	6	10	118	33
196	112163	----do-----		-----	CW	S	W	Oxford	42	90	34	50	15	4	17	96	68
197	112164	----do-----		-----	P	S	W	Lexington	54	67	34	49	17	4	8	115	66
198	112165	----do-----		-----	P	S	W	Oxford	38	114	27	45	13	1	19	101	52
202	112169	----do-----		-----	P	S	W	Lexington	47	90	25	42	12	7	9	109	31
203	112170	----do-----		-----	P	S	W	Oxford	40	107	24	45	13	1	15	98	59
204	112171	----do-----		-----	P	S	W	Lexington	54	104	17	35	13	7	10	112	30
205	112172	----do-----		-----	FC	S	W	Oxford	43	75	33	48	14	0	12	78	118
206	112173	----do-----		-----	P	S	W	Lexington	76	74	30	47	15	2	6	96	36
207	112174	----do-----		-----	P	S	W	Oxford	38	105	27	46	14	1	19	115	59
208	112175	----do-----		-----	CW	S	W	Lexington	48	114	19	38	13	5	10	101	22
209	112176	----do-----		-----	CW	S	W	Oxford	42	93	36	50	15	5	16	107	66
211	112178	----do-----		-----	FC	S	W	Lexington	50	92	30	48	17	3	9	101	39
212	112179	----do-----		-----	FC	S	W	Oxford	45	79	25	47	14	2	13	111	61
213	112180	----do-----		-----	P	S	P	Lexington	50	86	21	44	19	7	10	98	38
214	112181	----do-----		-----	P	S	P	Oxford	44	105	28	50	12	6	12	96	61
215	112182	----do-----		-----	P	S	P	Lexington	50	78	26	50	17	7	8	103	29
216	112183	----do-----		-----	P	S	P	Oxford	57	75	28	45	16	0	9	126	66
					P	S	P	Lexington	70	68	29	55	19	7	11	135	69
					CF	S	W	Oxford	40	78	25	53	14	6	17	85	50
					CF	S	P	Lexington	50	76	24	63	16	8	12	91	54
					CF	S	P	Oxford	40	94	28	52	12	6	13	95	59
					CF	S	P	Lexington	50	65	21	56	16	6	9	99	25
					FC	S	W	Oxford	42	88	27	45	14	7	13	85	57
					P	S	W	Lexington	56	80	20	36	16	7	6	77	16
					P	S	P	Oxford	45	90	25	53	14	1	13	117	80
					CF	S	P	Lexington	58	70	25	59	16	4	9	115	36
					CF	S	P	Oxford	40	106	25	48	14	9	19	105	59
					CF	S	P	Lexington	49	96	25	52	16	15	9	102	31
					CF	S	P	Oxford	40	86	28	48	15	6	13	107	77
					CF	S	P	Lexington	54	71	18	47	18	7	10	102	38
					CW	S	P	Oxford	47	84	29	53	17	7	21	130	66
					CW	S	P	Lexington	57	51	13	39	16	8	4	88	30
					CF	S	P	Oxford	40	100	32	51	16	14	14	109	80
					CF	S	P	Lexington	49	79	23	46	13	8	10	85	27
					CF	S	P	Oxford	45	83	25	53	16	12	13	129	66
					CF	S	P	Lexington	50	74	24	58	17	15	11	123	61
					P	S	P	Oxford	47	90	24	53	16	7	17	119	61
					P	S	P	Lexington	53	69	24	58	18	10	10	131	124
					CF	S	P	Oxford	40	100	28	56	11	8	16	88	82
					CF	S	P	Lexington	46	66	22	58	13	7	13	78	49
					CF	S	P	Oxford	40	74	28	53	15	4	15	80	66
					CF	S	P	Lexington	50	52	23	61	14	8	8	92	60

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, P=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped	Post-topped	Height (cm)	Yield (g)
217	112184	Mexico	Vena Amarilla	CF	S	P	Oxford	--	96	27	48	14	7	18	95	59
218	112185	---do---	---do---	CF	S	P	Lexington	--	65	17	43	16	9	12	110	33
219	112186	---do---	---do---	CW	S	P	Lexington	--	97	31	53	13	4	16	95	75
220	112187	---do---	---do---	CF	S	P	Lexington	--	116	24	52	16	3	10	153	--
221	112188	---do---	---do---	P	S	P	Oxford	--	98	22	41	16	12	14	106	59
222	112189	---do---	---do---	CF	S	P	Lexington	--	71	24	44	20	14	15	109	62
223	112190	Mexico	Unknown Variety	CW	S	W	Oxford	--	85	36	59	16	5	14	128	107
224	112191	---do---	---do---	P	S	P	Lexington	--	69	33	64	14	5	10	104	37
225	112192	---do---	---do---	CF	S	W	Oxford	--	105	19	56	13	1	20	71	55
226	112193	---do---	---do---	P	S	P	Lexington	--	53	18	68	18	9	10	80	36
227	112194	---do---	---do---	CW	S	W	Oxford	--	97	28	57	16	3	16	118	77
228	405010	---do---	---do---	FC	S	P	Lexington	--	92	26	66	17	2	12	104	51
229	405011	---do---	---do---	P	S	P	Oxford	--	86	26	66	17	1	18	85	75
230	405514	---do---	---do---	P	S	P	Lexington	--	97	27	45	14	5	9	97	31
231	112226	---do---	---do---	FC	S	P	Lexington	--	87	25	52	17	3	17	99	52
232	112227	---do---	---do---	CF	S	P	Lexington	--	103	23	48	14	3	17	111	45
233	112228	---do---	---do---	CF	S	P	Oxford	--	94	24	55	20	8	9	67	73
234	112229	---do---	---do---	CW	S	P	Lexington	--	83	37	50	16	0	11	135	52
237	112126	---do---	---do---	P	S	P	Oxford	--	92	20	48	22	8	14	135	52
238	112127	---do---	---do---	FC	S	P	Lexington	--	102	27	46	14	2	14	98	80
239	112128	---do---	---do---	FC	S	P	Lexington	--	96	33	59	12	8	13	138	67
240	112129	Mexico	Burley Huero	FC	S	P	Oxford	--	79	31	50	14	2	15	98	64
241	112130	---do---	---do---	FC	S	P	Lexington	--	80	29	54	17	3	9	101	47
									85	29	57	15	5	12	98	89
									70	24	52	14	5	11	87	34
									95	24	50	11	4	22	83	66
									83	16	39	12	11	9	73	21
									100	22	46	13	9	14	100	64
									96	18	49	15	9	9	103	36
									51	29	57	20	0	5	133	139
									65	28	66	22	5	8	123	111
									89	28	50	15	8	17	115	59
									98	23	51	17	8	11	108	49
									77	27	50	17	4	17	100	59
									80	29	43	16	7	9	114	50
									88	28	55	19	16	9	151	57
									121	24	42	11	5	17	175	85
									83	25	54	14	13	13	97	--
									86	27	55	16	2	16	99	68
									69	24	62	16	0.5	9	91	56
									100	23	45	12	13	11	77	39
									59	22	51	15	10	12	100	31
									81	24	46	15	7	18	120	66
									63	21	46	15	10	10	98	38
									84	25	45	14	7	12	90	82
									62	22	47	17	3	6	78	45

242	112131	---do-----	Cash	-----	FC	S	P	Oxford -- Lexington	47	82	37	58	16	4	13	131	91
243	112132	---do-----	Cordoba Type	-----	CF	S	P	Oxford -- Lexington	61	57	21	55	19	3	10	110	59
245	112134	---do-----		-----	P	S	W	Oxford -- Lexington	55	81	20	56	19	6	11	133	67
246	112135	Mexico ---	Mata de Cana	-----	P	S	W	Oxford -- Lexington	40	102	24	43	13	2	18	90	57
247	112136	---do-----	Cordoba Type	-----	P	S	P	Oxford -- Lexington	50	88	21	39	14	4	9	101	37
248	112137	---do-----		-----	CF	S	W	Oxford -- Lexington	40	94	27	45	16	1	11	98	75
249	112138	---do-----		-----	FC	S	P	Oxford -- Lexington	49	86	28	50	11	6	10	109	33
250	112139	---do-----		-----	P	S	P	Oxford -- Lexington	47	65	31	56	16	4	12	126	75
251	112140	---do-----		-----	P	S	W	Oxford -- Lexington	53	80	28	59	16	1	8	125	56
252	112141	---do-----		-----	P	S	W	Oxford -- Lexington	40	94	28	42	14	1	19	89	61
254	112143	---do-----		-----	CW	S	P	Oxford -- Lexington	49	122	24	40	13	3	11	113	36
255	112144	---do-----		-----	P	S	W	Oxford -- Lexington	40	116	27	46	13	2	13	98	59
256	112145	---do-----		-----	P	S	W	Oxford -- Lexington	48	88	30	53	13	5	7	119	31
257	112146	---do-----		-----	CW	S	P	Oxford -- Lexington	40	100	27	46	12	1	18	98	61
258	112147	---do-----		-----	P	S	P	Oxford -- Lexington	45	106	26	47	12	4	9	102	40
259	112148	---do-----		-----	P	S	W	Oxford -- Lexington	38	117	27	42	14	8	12	103	68
260	112149	---do-----		-----	P	S	W	Oxford -- Lexington	45	92	22	40	16	9	11	99	35
261	112150	---do-----		-----	CW	S	P	Oxford -- Lexington	40	101	27	46	12	1	15	95	61
262	112151	---do-----		-----	P	S	W	Oxford -- Lexington	49	91	25	47	14	7	9	113	--
263	112152	---do-----		-----	P	S	W	Oxford -- Lexington	40	103	32	48	13	0	13	106	70
264	112153	---do-----		-----	CW	S	P	Oxford -- Lexington	47	75	23	42	13	3	10	102	43
265	112154	---do-----		-----	P	S	P	Oxford -- Lexington	57	85	33	52	14	8	16	149	68
266	112155	---do-----		-----	P	S	W	Oxford -- Lexington	69	110	29	51	20	13	5	140	68
267	112156	---do-----		-----	P	S	P	Oxford -- Lexington	36	110	27	50	12	6	16	98	61
					P	S	W	Oxford -- Lexington	50	87	21	49	13	8	12	117	17
					P	S	W	Oxford -- Lexington	40	114	23	42	12	0	18	96	61
					P	S	W	Oxford -- Lexington	49	94	28	48	13	6	9	117	50
					CF	S	W	Oxford -- Lexington	36	98	20	37	14	4	15	96	41
					P	S	P	Oxford -- Lexington	42	92	24	42	11	11	9	96	33
					P	S	P	Oxford -- Lexington	40	98	31	47	15	1	18	108	66
					P	S	P	Oxford -- Lexington	49	85	29	50	14	7	10	115	62
					P	S	P	Oxford -- Lexington	42	88	29	51	13	2	14	73	77
					P	S	P	Oxford -- Lexington	53	75	13	36	13	9	10	77	31
					FC	S	P	Oxford -- Lexington	40	97	27	47	11	5	12	98	80
					NT	S	P	Oxford -- Lexington	54	59	24	45	13	9	9	113	23
					CF	S	P	Oxford -- Lexington	49	71	32	52	18	6	13	116	82
					CW	S	P	Oxford -- Lexington	55	73	31	56	19	7	11	132	81
						S	P	Oxford -- Lexington	40	92	32	43	17	9	8	93	64
						S	P	Oxford -- Lexington	47	83	25	38	11	3	8	82	32
						S	P	Oxford -- Lexington	47	83	33	55	16	2	15	116	73
						S	P	Oxford -- Lexington	57	75	23	54	19	10	16	148	67
						S	P	Oxford -- Lexington	47	86	31	51	15	8	20	106	91
						S	P	Oxford -- Lexington	54	75	31	57	17	15	12	146	78

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=pale-yellow, T=turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant			
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped		Post-topped	Height (cm)	Yield (g)
268	112157	Mexico	Cordoba Type	P	S	W	Oxford	--	40	103	23	46	13	2	17	97	66
269	112359	-----do-----	Virginia	CF	S	W	Lexington	--	48	82	21	42	11	7	7	110	42
270	112358	-----do-----	Oregon Palmeno	CW	S	P	Lexington	--	65	105	25	59	19	2	13	103	63
271	112357	-----do-----	Cultivated Tobacco	T	P	W	Lexington	--	61	78	27	56	12	5	7	117	52
272	112356	-----do-----	-----do-----	FC	S	P	Lexington	--	45	120	27	45	13	1	13	86	26
273	112355	-----do-----	Virginia	FC	S	P	Lexington	--	50	75	32	52	16	4	13	106	77
275	112234	-----do-----	Cultivated Tobacco	P	S	P	Lexington	--	49	73	23	54	17	8	7	136	53
276	112235	-----do-----	-----do-----	P	P	P	Lexington	--	47	76	25	64	20	3	8	116	102
277	112236	-----do-----	Bonanza	FC	S	P	Lexington	--	54	105	22	46	15	7	16	122	75
278	112237	-----do-----	Cash	FC	S	P	Lexington	--	45	81	31	55	15	6	16	105	100
279	112238	-----do-----	Orinoco	FC	S	P	Lexington	--	56	62	18	48	15	6	9	116	47
281	112240	-----do-----	Orinoco Claro	FC	S	W	Lexington	--	42	90	36	53	17	8	11	97	118
282	112241	-----do-----	Orinoco Negro	FC	S	P	Lexington	--	54	98	29	51	19	2	12	137	107
283	112242	-----do-----	Orinoco Oscuro	FC	S	W	Lexington	--	57	70	26	55	22	3	16	164	77
284	112243	-----do-----	Virginia	P	S	P	Lexington	--	45	87	23	52	17	6	18	111	86
285	405012	Honduras	Pina	FC	S	P	Lexington	--	52	78	23	58	18	19	16	127	68
286	405013	-----do-----	Hondurano	P	S	P	Lexington	--	56	84	22	46	16	3	15	84	70
287	405014	U.S.A., N.C.	Black Shank Resistant	CW	S	P	Lexington	--	45	76	19	40	17	0	10	99	44
288	111459	Colombia	-----do-----	FC	S	P	Lexington	--	54	93	22	48	15	5	20	107	48
289	112310	-----do-----	Chocoa	CW	S	P	Lexington	--	45	77	29	50	16	4	15	102	---
290	112312	-----do-----	Volunteer Plant	CF	S	P	Lexington	--	56	66	26	59	19	2	9	120	82
291	405515	Colombia	American	T	S	W	Lexington	--	47	107	24	47	15	8	15	122	70
292	405516	-----do-----	Cubano	FC	--	P	Lexington	--	58	112	17	38	17	11	14	120	57
							Lexington	--	47	99	32	52	15	5	15	120	57
							Lexington	--	62	70	18	43	20	5	12	132	28
							Lexington	--	47	68	34	56	15	6	17	114	70
							Lexington	--	57	66	22	57	18	4	12	126	41
							Lexington	--	47	78	31	51	17	5	17	133	82
							Lexington	--	56	98	27	52	20	7	13	125	59
							Lexington	--	51	89	33	52	16	4	14	119	89
							Lexington	--	53	67	28	51	20	10	10	136	59
							Lexington	--	47	108	28	43	14	1	9	115	95
							Lexington	--	41	86	29	53	11	11	9	110	68
							Lexington	--	47	84	38	53	17	8	17	87	47
							Lexington	--	61	67	28	54	19	4	15	130	123
							Lexington	--								121	71

293	405517	----do----	Mixed	-----	FC	--	P	Oxford	--	49	87	36	52	16	5	15	139	118
295	405015	----do----	-----	-----	FC	--	P	Oxford	--	54	62	26	55	17	3	12	122	51
296	405016	----do----	Garcia	-----	CF	--	P	Lexington	--	50	80	17	53	17	12	9	108	54
297	405017	----do----	-----	-----	FC	--	P	Oxford	--	47	82	32	56	17	7	13	129	77
301	112322	Mexico ---	Volunteer Plant	-----	CF	S	P	Lexington	--	63	74	21	49	21	9	10	116	35
302	112323	----do----	Broad Leaf, Lot 1	-----	P	S	P	Oxford	--	105	66	28	59	26	3	--	176	141
303	112323	----do----	Broad Leaf, Lot 2	-----	CW	S	W	Lexington	--	42	90	20	32	12	4	11	58	20
304	112324	----do----	Lenguillo	-----	CW	S	P	Oxford	--	40	84	37	47	12	7	15	85	75
305	112325	----do----	Mixed: Chino, Negro, Virginia, Lenguillo.	-----	CF	S	P	Lexington	--	54	92	33	48	15	4	9	101	45
306	112326	----do----	Mixed	-----	CW	S	P	Oxford	--	40	98	27	59	13	7	15	103	77
307	112326	----do----	Lenguillo	-----	P	S	P	Lexington	--	57	88	19	51	16	1	6	68	23
308	112328	----do----	Cuerna de Cabra	-----	P	S	P	Oxford	--	44	80	36	60	13	4	15	103	86
309	112330	----do----	Hoja Ancha	-----	CW	S	P	Lexington	--	50	87	26	46	14	12	10	119	48
310	112331	----do----	Cuerna de Borrego	-----	FC	S	W	Oxford	--	43	108	25	50	13	0	19	94	64
311	112307	Colombia -	Garcia	-----	CW	S	P	Lexington	--	59	79	23	53	15	8	11	115	45
312	112308	----do----	Mixed	-----	CW	S	W	Oxford	--	57	77	32	48	16	4	13	141	93
313	112309	----do----	Chococ	-----	CW	S	P	Lexington	--	54	78	36	50	17	2	8	130	73
317	112316	----do----	-----	-----	CW	S	R	Oxford	--	57	76	32	47	17	6	8	132	84
318	112385	----do----	Palmita	-----	PY	S	P	Lexington	--	63	101	34	60	21	15	13	173	106
319	112386	----do----	Chococ	-----	P	S	P	Oxford	--	89	63	31	52	23	1	5	213	150
321	112313	Colombia -	Garcia	-----	CW	S	P	Lexington	--	84	58	21	50	30	4	10	156	80
322	112314	----do----	American	-----	CW	S	W	Oxford	--	44	125	22	50	13	2	16	65	48
323	112315	----do----	Cubano	-----	CW	S	P	Lexington	--	50	82	19	65	17	5	11	66	41
324	112591	Mexico ---	Lenguillo	-----	P	S	P	Oxford	--	89	73	29	52	23	2	0	211	91
								Lexington	--	53	91	33	55	25	14	13	160	93
								Oxford	--	51	83	36	48	16	2	13	117	82
								Lexington	--	72	87	28	43	18	2	11	118	63
								Oxford	--	89	65	29	50	22	2	0	188	116
								Lexington	--	101	63	30	60	34	7	--	194	163
								Oxford	--	42	91	19	36	15	9	13	95	50
								Lexington	--	55	79	21	43	19	9	10	132	53

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: E=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PV=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)	
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped			Post- topped
326	112593	Mexico	Negro	CF	S	W	Oxford	--	74	33	48	13	2	14	89	80
327	112594	---do---	Macuchi	P	S	P	Oxford	--	70	37	60	16	5	5	104	38
328	112595	---do---	---	P	S	P	Oxford	--	103	20	57	13	1	13	70	64
330	405518	Colombia	Palмира	CW	S	P	Oxford	--	74	18	54	15	4	8	65	46
331	112619	Mexico	Mixed	B	S	P	Oxford	--	100	22	52	14	5	17	80	73
332	112620	---do---	Cultivated Tobacco	CF	--	P	Oxford	--	92	25	62	11	6	9	56	35
333	112621	---do---	Jamaica	FC	S	P	Oxford	--	65	31	51	22	0	6	205	125
335	112623	---do---	Syrian Turkish	P	S	P	Oxford	--	72	28	65	37	5	--	192	143
337	112625	---do---	Lagunero	P	S	P	Oxford	--	95	23	50	15	3	12	77	116
338	112626	---do---	Cordoba Type	P	S	P	Oxford	--	88	31	71	15	3	9	106	52
340	112628	---do---	Cultivated Tobacco	P	S	P	Oxford	--	86	31	64	14	1	11	105	66
341	112629	---do---	---	P	S	P	Oxford	--	73	16	56	13	1	8	78	38
343	112631	---do---	---	P	S	P	Oxford	--	82	24	51	16	3	12	112	93
344	112632	---do---	---	P	S	P	Oxford	--	78	24	64	24	5	13	130	73
346	112634	---do---	---	P	S	P	Oxford	--	94	19	37	16	7	17	85	55
348	112641	---do---	Volunteer Tobacco	P	S	R	Oxford	--	80	21	42	19	12	10	120	37
349	112642	---do---	---	P	S	P	Oxford	--	109	22	55	15	2	23	80	77
350	112643	---do---	Volunteer Tobacco	P	S	P	Oxford	--	115	15	61	18	6	12	64	45
351	112644	---do---	Nicotiana Species, No. 1.	P	S	R	Oxford	--	98	29	57	13	2	21	77	57
355	112648	---do---	---	P	S	P	Oxford	--	83	13	58	17	4	7	65	36
363	112656	---do---	Volunteer Tobacco	CW	S	P	Oxford	--	101	22	48	11	2	15	72	52
365	112697	Mexico	Papantle	CW	S	W	Oxford	--	76	21	50	16	9	12	85	42
366	112699	---do---	Putleco	CF	S	R	Oxford	--	119	29	39	13	2	12	95	52
								41	87	28	40	14	1	10	93	36
								43	124	24	46	14	4	17	84	52
								57	92	21	47	16	3	12	84	43
								43	98	20	47	15	8	13	92	59
								56	82	21	50	19	17	11	149	58
								49	73	37	52	17	1	14	135	59
								65	67	36	52	17	4	13	137	83
								54	89	33	46	16	9	12	140	93
								63	85	30	49	20	10	--	179	66
								57	87	31	45	17	14	11	154	89
								72	89	29	48	20	20	13	177	88
								57	81	31	46	17	9	9	139	84
								78	87	25	43	19	10	11	147	73
								40	104	27	41	13	7	13	91	77
								46	119	25	42	14	14	9	119	47
								36	110	27	42	13	8	8	98	59
								46	89	24	44	12	14	6	89	33
								47	78	25	41	15	4	13	108	64
								54	78	27	48	18	10	12	144	55
								42	114	29	48	13	2	15	102	73
								52	78	31	57	15	5	10	109	37
								45	63	27	47	18	4	17	132	75
								58	80	17	44	20	2	14	148	49

368	112705	Uruguay --	Nacional	-----	PY	S	P	Oxford --	54	65	27	53	14	0	8	104	95
370	112680	Mexico ---	Tabaco Montes	-----	P	S	P	Oxford --	68	68	27	62	25	7	--	156	35
371	112681	---do-----	-----do-----	-----	P	S	P	Oxford --	56	89	20	53	18	17	11	150	66
372	112682	---do-----	-----do-----	-----	P	S	P	Oxford --	53	92	23	53	15	15	9	137	57
373	112688	---do-----	Mixed: Habanero	-----	P	S	P	Oxford --	35	112	24	41	13	6	10	103	46
375	112690	---do-----	Mixed: Includes	-----	P	S	P	Oxford --	42	94	29	49	14	6	13	95	--
378	405519	Germany --	Stamm 160, WF	-----	P	S	P	Oxford --	37	115	18	46	14	8	11	95	45
379	405520	---do-----	Resistant.	-----	CF	S	P	Oxford --	39	68	15	37	9	9	8	65	19
380	405521	Romania --	Stamm 161, WF	-----	T	S	P	Oxford --	40	108	24	45	14	9	15	95	66
381	405522	---do-----	Rejina, WF Resistant	-----	T	S	P	Oxford --	50	122	23	44	14	9	12	116	34
382	112389	Colombia -	Motovata, WF Resistant	-----	T	S	P	Oxford --	40	98	23	45	14	7	12	106	59
383	112390	---do-----	-----do-----	-----	CW	S	P	Oxford --	44	71	11	32	13	5	8	70	15
384	112391	---do-----	-----do-----	-----	CW	S	P	Oxford --	42	58	33	55	14	1	11	103	100
385	112392	---do-----	-----do-----	-----	CW	S	P	Oxford --	50	56	37	73	19	7	7	111	86
388	112776	Mexico ---	-----do-----	-----	P	S	P	Oxford --	36	94	24	45	14	6	20	123	59
389	112777	---do-----	Probably Arcial	-----	P	S	P	Oxford --	45	64	22	45	18	8	11	131	41
390	112778	---do-----	Bajero	-----	P	S	P	Oxford --	38	109	25	38	11	7	16	98	41
391	112779	---do-----	Arcial	-----	FC	S	P	Oxford --	40	94	23	44	17	9	10	107	54
392	112780	---do-----	La Candon	-----	P	S	R	Oxford --	77	80	34	50	20	3	4	183	89
394	112782	---do-----	Arcial Chico	-----	FC	S	P	Oxford --	84	88	35	56	22	6	12	205	104
395	112783	---do-----	-----do-----	-----	T	S	P	Oxford --	77	88	28	45	17	5	8	196	84
396	112784	---do-----	Habanero	-----	T	P	P	Oxford --	100+	85	25	54	28	6	--	210	87
397	112785	---do-----	Colorado Fuerte	-----	P	S	P	Oxford --	89	89	32	43	20	1	5	228	100
398	112786	---do-----	Huimangillo	-----	P	S	P	Oxford --	103	68	30	57	31	8	--	217	148
									103	73	28	56	37	4	--	227	136
									42	105	24	47	11	9	11	103	66
									50	94	21	49	17	11	11	120	31
									40	101	24	51	12	1	12	80	66
									59	84	24	62	19	7	10	153	62
									40	113	24	46	13	9	9	99	61
									50	111	22	49	15	9	10	117	35
									49	67	36	55	13	1	7	118	95
									55	88	25	49	17	1	9	149	--
									47	101	18	48	14	0	12	92	64
									61	71	19	56	14	4	8	105	28
									45	87	27	50	15	3	17	98	84
									53	64	26	62	17	9	13	118	60
									49	108	24	47	14	1	10	97	86
									50	106	25	51	15	6	9	118	31
									35	107	33	48	13	6	11	98	59
									40	101	25	41	12	3	10	65	25
									42	108	24	50	14	4	14	85	57
									46	74	21	50	15	13	10	118	49
									38	101	27	46	12	3	17	80	52
									47	69	25	55	13	13	7	107	36

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Flower Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped	Post-topped	
399	112787	Mexico ---	Chaquilmoi or Tabaco Blanco.	P	S	P	Oxford --- Lexington	42	91	24	50	10	2	16	75
400	112788	---do---	La Candon	P	S	P	Oxford --- Lexington	46	85	24	52	12	9	9	92
401	112789	---do---	Chenelmol, Chelopo, or Tabaco Negro.	P	S	P	Oxford --- Lexington	47	89	24	51	14	5	17	75
402	112790	---do---	Probably Corjalero	P	S	R	Oxford --- Lexington	38	112	27	46	10	5	12	116
403	112791	---do---	Hoja Blanco	P	S	P	Oxford --- Lexington	44	74	24	40	14	9	9	57
404	112792	---do---	Hoja Blanco and Hoja Tupida.	P	S	W	Oxford --- Lexington	40	95	23	45	13	4	18	59
405	112793	---do---	Probably Simajovel	P	S	P	Oxford --- Lexington	50	93	12	37	15	12	7	19
406	112794	---do---	Mixed	P	S	P	Oxford --- Lexington	40	114	24	50	14	6	19	59
407	405523	Columbia -	---do---	P	--	P	Oxford --- Lexington	54	101	16	41	16	8	9	105
409	112804	---do---	Cubano	CW	S	P	Oxford --- Lexington	40	99	25	57	11	3	18	85
410	112805	---do---	Zapatoca	CW	--	P	Oxford --- Lexington	54	73	18	52	16	4	5	31
411	112806	---do---	---do---	CW	--	P	Oxford --- Lexington	43	109	22	47	14	8	15	52
412	112807	---do---	Giron	CW	S	P	Oxford --- Lexington	51	76	12	33	16	11	8	88
413	112808	---do---	Zapatoca	CW	S	P	Oxford --- Lexington	36	103	23	47	13	4	21	95
415	112810	---do---	Cordoncillo	FC	S	P	Oxford --- Lexington	54	102	17	42	15	14	8	110
419	112821	Mexico ---	Mixed, May Include Copan.	P	S	P	Oxford --- Lexington	89	76	25	41	22	0	6	195
420	112822	---do---	Probably Copan & Hoja de Lanza.	P	S	P	Oxford --- Lexington	100	88	31	55	31	1	--	183
421	112823	Guatemala	Probably Copan	P	S	P	Oxford --- Lexington	65	71	39	51	18	5	12	185
422	112824	---do---	---do---	P	S	P	Oxford --- Lexington	90	66	33	56	29	9	--	234
423	112825	---do---	Probably Punta de Lanza.	P	S	P	Oxford --- Lexington	77	83	27	46	17	4	10	185
424	112826	---do---	Virginia	P	S	P	Oxford --- Lexington	54	100	30	52	27	4	11	207
425	112827	Guatemala	Cubano	P	S	P	Oxford --- Lexington	89	89	32	46	19	1	0	219
426	112828	---do---	Cultivated Tobacco	P	S	P	Oxford --- Lexington	106+	74	27	43	21	5	7	263
								106+	67	26	55	36	--	--	225
								106+	66	29	46	19	5	8	218
								106+	63	25	49	39	--	--	253
								106+	64	28	58	13	0	6	100
								106+	66	27	68	17	3	10	125
								106+	66	27	68	17	3	10	80
								106+	104	25	45	12	3	17	95
								106+	82	25	44	17	13	10	114
								106+	98	28	45	11	3	16	95
								106+	84	22	39	15	7	7	105
								106+	98	22	45	14	8	21	105
								106+	--	--	--	--	--	--	--
								106+	111	28	42	12	6	7	70
								106+	91	23	41	11	11	7	81
								106+	102	25	43	11	3	16	103
								106+	75	22	43	13	13	6	94
								106+	110	22	46	15	6	17	88
								106+	89	20	47	19	8	15	140
								106+	92	25	42	13	3	19	93
								106+	87	21	36	16	3	12	79
								106+	111	29	43	11	4	15	117
								106+	86	27	42	14	12	9	108

427	112829	---do-----	Tabaco Cimarron ----	P	S	P	Oxford -- Lexington	36	95	23	46	12	9	14	85	43
428	112830	Mexico ---	Mixed: Hoja Ancha, Cuerna de Cabra, Others.	CW	S	W	Oxford -- Lexington	46 40 56	97 88 62	20 33 27	47 48 42	12 11 12	9 7 4	10 16 6	89 103 82	24 80 13
429	112831	---do-----	Cultivated Tobacco ---	CW	S	W	Oxford -- Lexington	40 50 89	81 60 81	31 33 32	47 53 48	12 12 23	6 3 3	14 7 5	87 70 230	84 24 134
431	113441	Colombia -	Probably Tachuelo ----	CW	S	P	Oxford -- Lexington	105 73	71 83	30 59	31 59	23 31	7 7	--	210 55	55
432	113442	---do-----	Tachuelo ----	P	S	P	Oxford -- Lexington	35 44	119 82	25 23	45 44	13 12	5 9	8 8	94 81	59 36
433	113443	---do-----	Tachuelo or Caucaño --	P	S	P	Oxford -- Lexington	35 44	121 68	28 24	45 44	12 13	3 6	13 12	99 88	64 40
436	113446	---do-----	Zapatoca ----	CF	S	P	Oxford -- Lexington	77 100+	77 82	29 26	43 57	17 24	0 6	3 --	190 198	75 84
437	113447	---do-----	Boliviano ----	CF	--	P	Oxford -- Lexington	89 96+	55 88	31 36	48 59	20 34	0 3	0 --	255 259	104 115
438	113448	---do-----	Cordoncillo ----	CF	S	P	Oxford -- Lexington	89 95	52 65	33 28	51 52	19 35	5 0	0 --	251 216	95 117
439	113495	---do-----	Zapatoca ----	CF	S	P	Oxford -- Lexington	97 100+	45 67	32 33	48 56	29 32	2 0	2 --	215 198	143 138
444	113500	---do-----	Punta de Lanza ----	B	S	P	Oxford -- Lexington	54 54	83 --	27 33	50 64	12 17	2 2	12 10	88 99	98 79
445	113501	---do-----	Mixed: Repello, Brazo Negro.	CW	S	P	Oxford -- Lexington	89 85	51 82	38 37	52 56	20 25	10 11	7 6	225 199	125 159
446	113502	Mexico ---	Cultivated Tobacco ---	CF	S	P	Oxford -- Lexington	42 60	87 82	32 26	61 57	16 24	2 6	17 --	98 198	84 36
447	405524	---do-----	-----	P	--	P	Oxford -- Lexington	36 51	116 71	18 14	41 32	13 16	7 12	9 6	88 96	48 32
448	113559	Colombia -	Mixed: Costillo Negro Y Blanco, Pina.	CF	S	P	Oxford -- Lexington	65 73	75 89	27 32	55 60	21 23	1 3	11 14	168 169	120 45
448	113559	---do-----	Selection from TI448 - A	CF	S	P	Oxford -- Lexington	65 75	63 92	28 25	53 56	17 23	0 3	10 12	155 167	104 97
449	113560	---do-----	Mixed: Costillo Negro Y Blanco, Pina.	CF	S	P	Oxford -- Lexington	89 100+	75 64	25 24	51 58	20 32	1 8	3 --	220 173	104 128
450	113661	---do-----	---do-----	CF	S	P	Oxford -- Lexington	65 90	79 78	29 24	53 51	20 23	1 3	12 --	180 197	102 51
451	113562	---do-----	Ambalema ----	CF	S	P	Oxford -- Lexington	40 50	71 62	33 31	52 54	16 18	3 4	11 7	90 113	95 --
453	113579	Guatemala	Volunteer Tobacco ----	P	S	P	Oxford -- Lexington	47 54	105 73	24 22	45 43	15 19	1 7	21 14	118 57	50 131
454	113580	---do-----	Criollo ----	CW	S	P	Oxford -- Lexington	49 62	77 73	24 25	43 43	16 23	9 22	18 12	121 133	82 32
455	113581	---do-----	---do-----	P	S	P	Oxford -- Lexington	36 37	99 94	29 27	41 41	11 10	3 10	17 8	100 68	52 31
456	113582	---do-----	Tabaco Bobo ----	CW	S	W	Oxford -- Lexington	49 61	82 72	24 26	43 44	18 23	9 20	15 12	116 162	91 21

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, HT=no type identified, P=primitive, PY=pale-yellow, T=turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

ITI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves		Suckers (No.)		Plant Height (cm)	Yield (g)				
									Angle (°)	Width (cm)	Length (cm)	No./ plant			Pre- topped	Post- topped		
459	113585	Guatemala	Cultivated Tobacco	---	CW	S	R	Oxford	--	51	82	25	45	17	10	19	123	70
460	113586	---	---	---	P	--	P	Lexington	---	59	59	24	46	18	17	10	158	51
461	113587	---	---	---	P	S	R	Lexington	---	40	107	19	41	11	7	14	75	43
462	113588	---	---	---	P	S	R	Oxford	---	48	109	12	42	18	16	9	81	35
462	113588	---	---	---	P	S	P	Lexington	---	34	131	19	41	12	5	9	78	52
463	113589	---	---	---	P	S	P	Lexington	---	43	77	18	38	13	12	10	97	39
463	113589	---	---	---	P	S	P	Oxford	---	36	104	22	47	13	6	15	96	57
464	113590	---	---	---	P	S	P	Lexington	---	51	91	18	38	16	13	9	124	23
464	113590	---	---	---	CF	S	P	Oxford	---	40	106	22	46	12	8	11	98	59
465	113624	Colombia	Castillo Negro	---	CF	S	P	Oxford	---	51	98	19	46	17	17	12	140	44
465	113624	Colombia	Castillo Negro	---	CF	S	P	Lexington	---	45	84	28	47	16	8	18	111	59
467	113626	---	---	---	CF	S	P	Oxford	---	56	92	21	39	18	13	8	107	18
467	113626	---	---	---	CF	S	P	Oxford	---	65	97	29	55	19	3	10	160	93
467	113626	---	---	---	CF	S	P	Lexington	---	90	83	29	59	21	6	--	198	105
468	113627	---	---	---	CF	S	P	Oxford	---	43	84	31	59	14	3	16	108	150
468	113627	---	---	---	CF	S	P	Lexington	---	49	70	25	61	15	7	8	84	56
468	113627	---	---	---	CF	S	P	Oxford	---	78	81	21	49	23	1	10	148	93
469	113628	---	---	---	CW	S	P	Lexington	---	54	95	36	56	12	3	9	168	65
469	113628	---	---	---	CW	S	P	Oxford	---	54	95	36	56	12	3	9	131	84
470	113629	---	---	---	CF	S	P	Lexington	---	--	73	29	60	22	6	--	188	60
470	113629	---	---	---	CF	S	P	Oxford	---	57	61	29	52	18	3	12	142	102
471	113630	---	---	---	CF	S	P	Lexington	---	76	82	24	52	17	10	10	171	88
471	113630	---	---	---	CF	S	P	Oxford	---	61	75	27	52	17	3	9	148	84
472	113631	---	---	---	P	S	P	Lexington	---	76	86	23	57	25	14	14	187	83
472	113631	---	---	---	P	S	P	Oxford	---	45	108	23	47	15	9	13	128	52
473	113632	---	---	---	CF	S	P	Lexington	---	59	88	27	52	22	15	10	162	73
473	113632	---	---	---	CF	S	P	Oxford	---	89	63	27	57	19	4	0	200	86
474	113633	---	---	---	CF	S	P	Lexington	---	82	79	26	66	26	5	12	190	--
474	113633	---	---	---	CF	S	P	Oxford	---	65	91	31	53	19	1	12	168	100
475	113634	---	---	---	CF	S	P	Lexington	---	78	98	31	59	25	4	12	160	56
475	113634	---	---	---	CF	S	P	Oxford	---	51	81	31	56	16	0	11	146	102
476	113635	---	---	---	FC	S	P	Lexington	---	61	118	22	58	24	4	9	134	--
476	113635	---	---	---	FC	S	P	Oxford	---	45	98	25	47	16	2	16	98	86
478	113670	---	---	---	CF	S	P	Lexington	---	55	76	23	64	18	6	9	119	61
478	113670	---	---	---	CF	S	P	Oxford	---	45	96	31	59	16	7	20	122	91
479	113671	---	---	---	CF	S	P	Lexington	---	55	99	21	59	18	6	12	138	56
479	113671	---	---	---	CF	S	P	Oxford	---	57	62	31	48	19	7	10	134	91
480	113672	---	---	---	T	P	P	Lexington	---	51	79	24	64	17	9	9	87	69
480	113672	---	---	---	T	P	P	Oxford	---	38	105	27	41	15	9	25	102	41
481	113673	---	---	---	FC	S	P	Lexington	---	44	55	22	36	18	9	10	83	21
481	113673	---	---	---	FC	S	P	Oxford	---	42	77	36	55	13	1	13	89	118
482	113658	Mexico	---	---	CF	S	P	Lexington	---	51	53	30	59	16	1	6	100	83
482	113658	Mexico	---	---	CF	S	P	Oxford	---	47	87	29	55	16	1	14	117	75
483	113712	Honduras	---	---	P	S	P	Lexington	---	60	97	24	58	17	1	11	119	48
483	113712	Honduras	---	---	P	S	P	Oxford	---	44	88	25	42	13	2	16	120	50
483	113712	Honduras	---	---	P	S	P	Lexington	---	53	53	24	43	16	8	6	137	57

484	113713	---do----	Java	-----	T	P	R	Oxford --	35	104	34	45	14	2	17	99	61
485	113714	---do----	Copan (Java)	-----	P	S	P	Lexington	40	70	31	47	12	8	9	87	59
486	113715	---do----	Habana (Java)	-----	T	S	R	Lexington	40	120	28	45	13	3	15	88	61
487	113716	---do----	Salvador	-----	P	S	R	Lexington	36	110	27	44	13	8	10	93	46
488	113717	---do----	Santa Rosa de Copan	---	CW	S	P	Lexington	40	81	26	48	13	8	10	89	38
489	113718	---do----	Deli (Sumatra)	-----	P	S	P	Lexington	37	120	22	43	11	11	10	108	48
490	113719	---do----	Volunteer Plant	-----	FC	S	R	Lexington	46	52	16	40	11	6	10	79	24
491	113720	---do----	Cultivated Tobacco	---	P	S	R	Lexington	38	102	22	45	14	13	14	98	64
492	113721	---do----	Pina	-----	P	S	R	Lexington	55	79	13	33	18	11	13	106	24
493	113722	---do----	Mixed: Cubano, Pina, Others.	-----	P	S	R	Lexington	44	102	23	42	12	6	18	107	48
494	113975	Guatemala	La Estancia	-----	P	S	R	Lexington	52	90	25	52	17	14	13	134	61
495	113976	---do----	Chiche	-----	CW	S	P	Lexington	33	124	19	42	12	5	10	59	36
496	113977	---do----	Chichicastenanga	-----	CW	S	P	Lexington	47	113	23	48	16	15	11	111	51
497	113978	---do----	Sencua	-----	P	S	P	Lexington	40	111	23	47	14	5	21	95	55
498	113979	---do----	Cunen	-----	CW	S	P	Lexington	48	87	23	47	17	7	14	104	44
499	113980	---do----	Zacualpa	-----	P	S	P	Lexington	44	108	23	47	14	7	20	102	41
500	113984	---do----	Dumbara	-----	CF	P	P	Lexington	55	91	19	48	20	12	12	128	42
501	113985	---do----	Jaffna	-----	FC	S	P	Lexington	47	84	27	43	14	11	16	108	59
502	113991	Costa Rica	Volunteer Plant	-----	NT	S	P	Lexington	58	97	26	53	18	19	10	178	48
503	113992	---do----	-----do-----	---	P	S	P	Lexington	47	85	25	42	16	13	9	100	84
504	113993	---do----	Probably Criollo	-----	NT	S	R	Lexington	58	92	26	43	18	18	8	177	56
505	113994	---do----	Volunteer Plant	-----	NT	S	R	Lexington	44	105	24	50	14	5	22	110	52
506	113995	---do----	-----do-----	---	NT	S	R	Lexington	53	96	25	53	18	14	10	138	65
508	113997	---do----	Mixed: Colorado, Blanco.	---	NT	S	P	Lexington	57	85	31	48	18	9	19	130	89

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped			Post-topped	
509	113998	Costa Rica	Chiricano	NT	S	P	Oxford	--	41	82	24	38	15	5	10	113	39
510	113999	---do---	Cultivated Tobacco	NT	S	P	Lexington	--	48	52	23	47	16	17	4	126	67
511	114000	---do---	---	NT	S	P	Lexington	--	55	124	31	48	14	3	18	129	86
512	114001	---do---	Chiricano	NT	S	P	Oxford	--	47	94	34	48	17	2	11	158	66
514	114003	---do---	Cultivated Tobacco	NT	S	P	Lexington	--	54	92	27	47	18	15	9	136	62
515	114004	---do---	Chaco Chivo	NT	S	W	Lexington	--	43	124	24	46	15	10	18	122	52
516	114005	---do---	Cultivated Tobacco	NT	S	P	Oxford	--	51	104	23	42	18	10	10	130	43
522	114011	---do---	Criollo	NT	S	P	Oxford	--	40	124	31	47	16	6	16	90	70
523	114012	---do---	Kentucky Negro	NT	S	P	Lexington	--	48	111	26	43	12	4	5	108	26
524	114013	---do---	Largo	NT	S	P	Oxford	--	43	99	27	45	14	6	14	101	89
525	114014	---do---	Criollo	NT	S	P	Lexington	--	50	95	30	49	17	4	7	123	39
526	114015	---do---	Palmira	NT	S	P	Oxford	--	77	81	29	48	17	2	10	153	100
527	114016	---do---	Kentucky	NT	S	P	Lexington	--	84	77	34	60	26	16	9	233	146
528	114017	---do---	Cultivated Tobacco	CW	S	P	Oxford	--	47	92	23	43	13	2	13	126	61
530	114019	---do---	Tabaco Blanco	CW	S	P	Lexington	--	59	69	27	56	22	6	12	164	--
532	114021	---do---	Itztepeque	P	S	R	Lexington	--	45	90	24	51	14	5	20	113	59
533	114022	---do---	---	P	S	R	Oxford	--	51	74	26	68	19	19	14	112	60
534	114023	---do---	Criollo	CF	S	P	Lexington	--	53	84	27	66	17	15	16	106	61
535	114024	---do---	Copan	CF	S	P	Oxford	--	49	120	27	48	17	7	17	111	84
536	114025	---do---	---	P	S	R	Lexington	--	57	101	27	52	20	11	10	139	42
537	114026	---do---	Mixed	CF	S	P	Lexington	--	89	88	27	47	22	1	0	250	141
538	114027	Costa Rica	Itztepeque Hybrid	T	S	R	Lexington	--	105+	63	25	55	31	0	--	184	93
539	114039	Honduras	Cultivated Tobacco	P	S	P	Oxford	--	57	79	29	46	19	3	9	144	86

540	114067	Colombia	Amalema	----	T	--	P	Oxford	--	47	111	24	43	14	3	17	133	55
541	114068	----	----	----	T	S	R	Oxford	--	55	79	21	47	21	9	15	142	45
542	114069	----	Pina	----	CF	S	P	Oxford	--	35	79	29	41	14	2	17	95	66
544	114071	Ecuador	Harrison Chaco	----	CF	S	P	Oxford	--	72	86	27	40	14	2	11	107	35
546	114073	----	Tabaco Comun	----	PY	S	P	Oxford	--	54	80	27	46	17	2	15	131	89
548	114083	Costa Rica	Volunteer Plant	----	CF	S	P	Oxford	--	74	61	25	48	27	10	10	152	104
549	114084	----	Itztepeque	----	P	S	P	Oxford	--	51	95	24	56	15	3	7	117	70
550	114085	----	Mixed: Itztepeque, Others.	----	CF	S	P	Oxford	--	53	70	21	64	21	1	8	130	76
551	114086	----	Itztepeque	----	P	S	P	Oxford	--	57	65	32	50	19	6	8	158	102
553	114088	----	----	----	P	S	P	Oxford	--	67	63	19	37	23	6	--	122	31
554	114122	----	Volunteer Tobacco	----	P	S	R	Oxford	--	40	107	24	41	13	4	13	95	61
556	114124	----	Mixed: Cien Hojas, Virginia.	----	P	S	R	Oxford	--	46	90	17	34	12	7	8	63	20
557	114125	----	Cultivated Tobacco	----	FC	S	R	Oxford	--	37	101	23	41	11	4	13	75	36
559	114127	----	Goludo	----	CF	S	P	Oxford	--	46	86	12	26	15	7	9	56	16
560	114128	----	Cacho de Chivo	----	CW	S	P	Oxford	--	36	116	22	39	13	5	13	96	43
561	114129	Honduras	Trinidad de Copan	----	FC	--	W	Oxford	--	46	65	13	34	13	8	11	77	15
562	114130	----	Dolores de Copan	----	P	S	P	Oxford	--	42	116	23	48	14	13	10	120	64
564	114132	----	Florida de Copan	----	P	S	P	Oxford	--	42	87	13	31	12	6	10	67	12
565	114133	----	Concepcion de Copan	----	P	S	P	Oxford	--	54	54	19	40	20	1	7	111	48
566	114134	----	Sumatra Delhi Prima	----	CF	S	P	Oxford	--	52	88	32	45	15	4	21	123	107
567	114135	----	Sumatra Delhi Segunda	----	P	S	P	Oxford	--	61	99	26	40	16	7	8	98	24
568	114136	----	Sumatra Java Prima	----	CW	S	P	Oxford	--	40	106	20	43	16	10	7	106	64
569	114350	Ecuador	Esmeraldas	----	FC	S	P	Oxford	--	47	90	15	33	12	3	8	71	23
570	114351	----	----	----	P	S	P	Oxford	--	47	90	17	36	12	4	16	76	57
					P	S	P	Oxford	--	35	134	17	36	12	5	10	105	38
					P	S	P	Oxford	--	54	85	18	50	16	5	12	90	41
					CW	S	P	Oxford	--	38	89	13	32	8	7	6	47	8
					FC	S	P	Oxford	--	38	89	13	32	8	7	6	47	8
					FC	S	P	Oxford	--	47	115	31	51	13	11	10	93	123
					FC	S	P	Oxford	--	67	99	28	54	19	2	10	128	44
					P	S	P	Oxford	--	42	92	25	47	16	12	14	104	66
					P	S	P	Oxford	--	56	97	17	38	16	8	8	90	28
					P	S	P	Oxford	--	45	97	24	45	14	5	18	97	68
					P	S	P	Oxford	--	53	77	26	54	16	13	11	124	74
					P	S	P	Oxford	--	45	119	27	52	13	6	17	125	64
					P	S	P	Oxford	--	54	101	22	52	18	16	11	140	59
					P	S	P	Oxford	--	40	92	20	46	13	6	16	88	50
					CF	S	P	Oxford	--	51	93	19	41	16	6	10	106	35
					T	S	P	Oxford	--	44	96	24	50	17	7	17	113	64
					T	S	P	Oxford	--	53	75	20	52	17	13	8	130	46
					T	S	R	Oxford	--	42	76	27	42	14	4	13	110	66
					FC	S	P	Oxford	--	54	56	19	37	16	5	8	126	25
					FC	S	P	Oxford	--	36	98	32	42	13	5	18	98	64
					FC	S	P	Oxford	--	42	87	28	38	12	2	8	76	23
					FC	S	P	Oxford	--	50	94	25	52	15	17	19	105	66
					FC	S	P	Oxford	--	49	96	28	61	17	17	13	126	50
					FC	S	P	Oxford	--	61	71	29	55	17	0	13	125	111
					FC	S	P	Oxford	--	61	71	29	55	17	0	13	135	77

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves		Suckers (No.)		Plant Height (cm)	Yield (g)					
									Angle (°)	Width (cm)	Length (cm)	No./ plant			Pre-topped	Post-topped			
572	114353	Ecuador	--	Esmeraldas Negro	----	P	S	R	Oxford	--	43	92	20	48	13	7	15	95	57
573	114354	----	----	----	----	FC	S	R	Lexington	--	54	84	24	56	17	13	7	118	13
574	114355	----	----	----	----	P	S	P	Lexington	--	38	103	27	53	11	3	16	100	64
575	114356	----	----	----	----	P	S	P	Oxford	--	43	106	25	51	11	5	14	104	77
576	114357	----	----	----	----	CF	S	P	Lexington	--	51	79	21	53	16	12	10	114	47
577	114358	----	----	----	----	P	S	P	Oxford	--	47	99	29	51	16	1	9	103	75
578	114359	----	----	----	----	P	S	P	Lexington	--	55	94	24	59	18	7	10	147	67
579	114360	----	----	----	----	CF	S	P	Oxford	--	44	98	23	51	14	6	18	95	55
581	114362	----	----	----	----	CW	S	P	Lexington	--	46	70	19	54	17	14	11	101	43
582	114363	----	----	----	----	CF	S	P	Oxford	--	47	90	34	52	15	8	13	123	114
583	114364	----	----	Barbasco	----	CF	S	R	Lexington	--	51	68	19	49	15	8	9	112	--
584	114365	----	----	----	----	NT	S	P	Oxford	--	58	73	31	56	16	4	15	118	100
585	114366	----	----	----	----	CF	S	P	Lexington	--	61	79	27	46	17	2	13	143	109
586	114367	----	----	----	----	CF	S	P	Lexington	--	54	58	19	41	33	9	9	164	99
587	114368	----	----	----	----	FC	S	P	Oxford	--	49	104	32	56	16	4	15	135	86
588	114369	----	----	----	----	CF	S	P	Lexington	--	63	103	28	62	20	13	9	166	73
589	114370	----	----	Esmeraldas Blanco	----	CF	S	R	Oxford	--	45	82	29	51	14	4	15	115	86
590	114371	----	----	----	----	CF	S	P	Lexington	--	54	70	22	68	17	4	8	109	64
591	114372	----	----	----	----	CF	S	P	Oxford	--	45	85	27	55	15	7	21	104	59
592	114373	----	----	----	----	CF	S	P	Lexington	--	54	78	25	58	16	10	12	104	55
593	114374	----	----	----	----	CF	S	P	Oxford	--	47	97	29	56	17	7	13	113	86
594	114375	----	----	Brasil	----	FC	S	P	Lexington	--	53	86	28	66	17	13	8	114	43
595	114376	----	----	----	----	CF	S	P	Oxford	--	49	84	28	56	16	1	12	102	136
596	114377	----	----	----	----	CF	S	M	Lexington	--	51	70	29	69	19	2	8	105	100
597	114378	----	----	----	----	CF	S	R	Oxford	--	47	85	32	53	17	3	12	128	80
598	114379	----	----	----	----	CF	S	R	Lexington	--	54	105	25	57	16	15	5	144	--
599	114380	Costa Rica	----	Itztepeque	----	T	P	P	Lexington	--	57	77	33	53	18	2	6	160	77
599	114381	Mexico	----	Cultivated Tobacco	----	P	S	P	Oxford	--	62	109	27	58	20	13	8	172	78
599	114382	----	----	----	----	P	S	P	Lexington	--	33	135	24	42	14	9	17	92	61
599	114383	----	----	----	----	P	S	P	Lexington	--	48	69	18	40	15	5	12	91	24
599	114384	----	----	----	----	P	S	P	Oxford	--	33	114	20	39	13	9	8	82	45
599	114385	----	----	----	----	P	S	P	Lexington	--	49	104	20	44	15	6	10	106	25
599	114386	----	----	----	----	P	S	P	Oxford	--	40	111	24	43	11	3	16	85	59
599	114387	----	----	----	----	P	S	P	Lexington	--	46	73	27	60	15	12	11	111	74
599	114388	----	----	----	----	P	S	P	Oxford	--	36	98	29	41	10	6	9	81	73
599	114389	----	----	----	----	P	S	P	Lexington	--	42	63	27	36	11	11	5	83	33
599	114390	----	----	----	----	P	S	P	Oxford	--	36	123	20	41	12	5	10	86	36
599	114391	----	----	----	----	P	S	P	Lexington	--	46	83	14	37	15	13	5	90	20
599	114392	----	----	----	----	P	S	P	Oxford	--	37	100	17	39	11	6	9	79	77
599	114393	----	----	----	----	CF	S	P	Lexington	--	42	89	9	26	14	2	8	61	11
599	405525	Ecuador	--	Ynes Mexia	----	CF	S	P	Oxford	--	40	106	28	53	14	9	16	90	68
599	405526	Peru	----	Tabaco	----	P	S	P	Lexington	--	53	107	23	59	16	17	10	126	27
599	405527	----	----	----	----	P	S	P	Oxford	--	44	111	24	43	14	7	17	89	52
599	405528	----	----	----	----	P	S	P	Lexington	--	52	80	17	52	12	10	10	90	20

601	405527	Bolivia --	-----	FC	S	P	Oxford --	36	88	33	51	17	2	13	140	118
603	405528	Chile ----	-----	CW	S	W	Oxford --	67	87	35	58	20	10	13	149	84
604	505529	Peru -----	Volunteer Plant	CF	S	P	Lexington	43	101	29	47	14	4	14	101	80
605	114351	Ecuador --	-----	CF	S	P	Lexington	54	94	26	46	15	7	8	101	38
606	114352	-----do-----	-----	CF	S	P	Oxford --	47	90	25	52	16	6	21	119	66
607	405530	-----do-----	-----	CF	S	R	Lexington	60	69	21	50	18	8	12	113	66
612	114321	El Salva- dor.	-----	CW	S	P	Oxford --	45	92	27	56	15	9	16	113	66
613	114322	-----do-----	-----	CF	S	P	Lexington	55	80	22	59	19	15	10	131	48
615	114315	Nicaragua	-----	CF	S	P	Oxford --	43	88	29	60	14	4	19	107	66
617	114391	Ecuador --	-----	CW	S	P	Lexington	54	73	21	61	18	8	9	107	41
621	114395	-----do-----	-----	P	S	W	Oxford --	54	98	32	59	17	8	15	128	84
626	114400	Mixed: Tabasqueno Prieto, Others.	-----	P	S	W	Lexington	62	85	26	65	21	11	14	144	56
627	114401	-----do-----	-----	FC	S	W	Oxford --	40	111	19	39	11	4	15	85	39
629	114403	-----do-----	-----	FC	S	P	Lexington	45	119	21	43	13	13	12	109	30
630	114404	-----do-----	-----	FC	S	R	Oxford --	39	107	19	38	12	12	11	98	52
633	114549	-----do-----	-----	P	S	P	Lexington	52	115	21	42	17	5	8	120	35
635	114551	-----do-----	-----	P	S	P	Oxford --	38	93	29	50	15	11	15	114	68
641	114557	-----do-----	-----	P	S	P	Lexington	53	115	24	53	17	9	12	145	16
642	114558	-----do-----	-----	P	S	P	Oxford --	47	115	20	46	13	11	15	113	50
645	114561	-----do-----	-----	FC	S	P	Lexington	52	100	15	51	17	15	13	128	44
646	114562	-----do-----	-----	P	S	P	Oxford --	47	115	21	52	17	3	17	120	61
647	114563	-----do-----	-----	P	S	P	Lexington	54	102	25	56	18	12	10	157	33
648	114564	-----do-----	-----	P	S	P	Oxford --	42	97	20	42	14	12	15	100	52
650	114566	-----do-----	-----	P	S	P	Lexington	51	70	17	41	17	12	7	117	35
				P	S	P	Oxford --	38	103	22	46	12	6	16	120	45
				P	S	P	Lexington	48	75	16	40	17	3	12	104	24
				P	S	P	Oxford --	42	110	23	46	15	8	19	123	45
				P	S	P	Lexington	46	86	20	46	19	13	9	134	46
				FC	S	P	Oxford --	35	107	22	47	13	6	15	101	61
				P	S	W	Lexington	48	85	23	59	19	7	12	93	53
				P	S	P	Oxford --	40	85	24	51	16	10	13	95	66
				P	S	P	Lexington	53	78	17	47	16	9	9	99	33
				P	S	P	Oxford --	40	113	28	43	10	3	16	89	64
				P	S	P	Lexington	46	100	28	47	13	6	9	121	36
				P	S	P	Oxford --	54	70	23	50	16	6	7	126	68
				P	S	P	Lexington	48	107	23	53	15	4	11	120	36
				P	S	P	Oxford --	45	103	24	45	13	8	11	106	61
				P	S	P	Lexington	52	88	20	45	16	11	9	118	38
				FC	S	P	Oxford --	42	108	15	43	15	8	16	90	70
				FC	S	P	Lexington	53	87	33	55	18	9	10	138	56
				FC	S	P	Oxford --	47	75	29	53	13	0	10	96	91
				FC	S	P	Lexington	67	43	26	61	17	0	9	105	79
				FC	S	P	Oxford --	42	89	32	53	12	1	12	85	77
				FC	S	P	Lexington	47	76	30	65	13	5	7	69	51
				FC	S	P	Oxford --	57	72	31	47	15	1	9	126	102
				FC	S	P	Lexington	73	68	22	49	24	3	6	121	79
				FC	S	P	Oxford --	43	68	28	55	15	3	12	95	82
				FC	S	P	Lexington	43	88	8	19	13	5	9	50	7

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CW=cigar wrapper, FC=flue-cured, P=Hungarian, NT=no type identified, P=pale-yellow, T-Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped		Post- topped	Height (cm)
657	114573	Mexico	Mixed	CW	S	R	Oxford	--	75	31	48	16	7	17	117	82
658	114574	---do---	Mostrenco	P	S	P	Oxford	--	63	27	49	18	10	11	144	70
659	114575	---do---	Turco	FC	S	P	Oxford	--	86	19	53	15	1	10	102	36
660	114576	---do---	Lengua de Vaca	FC	S	P	Oxford	--	102	27	52	16	7	16	90	68
661	114577	---do---	Mixed: Virginia, Chino Negro.	FC	S	P	Oxford	--	--	--	--	16	8	--	123	--
662	114578	---do---	Chino Negro	FC	S	P	Oxford	--	96	25	53	16	4	26	98	93
665	114581	---do---	Oja-de-Vastago	FC	S	P	Oxford	--	82	21	57	20	5	10	95	64
666	114582	---do---	Negro Combinado	FC	S	P	Oxford	--	66	32	53	12	1	7	85	116
668	114584	---do---	Maguey	FC	S	P	Oxford	--	76	40	72	14	3	9	129	24
672	114634	---do---	Granja	CF	S	P	Oxford	--	66	29	48	15	4	15	98	102
675	114688	Honduras	Mixed	P	S	P	Oxford	--	--	--	--	16	3	--	89	--
677	114829	South America.	---	P	S	P	Oxford	--	87	31	55	15	2	14	113	86
683	114835	---do---	---	P	S	P	Oxford	--	96	24	58	17	1	15	112	50
687	115098	Peru	Chanchamayo	P	S	W	Oxford	--	74	31	47	17	1	12	130	125
690	115101	Ecuador	Colimes	FC	S	R	Oxford	--	69	35	67	20	6	13	135	116
691	115102	---do---	Daule	P	S	P	Oxford	--	82	27	48	16	1	11	115	109
692	115103	---do---	Salitre	FC	S	P	Oxford	--	83	24	49	13	0	7	100	26
694	115105	Peru	---	CW	S	W	Oxford	--	60	13	30	15	5	9	73	17
698	116071	Costa Rica	Copan	P	S	P	Oxford	--	100	27	41	14	9	15	143	45
700	116073	---do---	Desgajador	CW	S	P	Oxford	--	92	24	40	15	9	10	119	--
703	116076	---do---	Palmiron	CW	S	W	Oxford	--	103	28	43	11	6	17	80	66
704	116078	Honduras	Chichicaste	FC	S	P	Oxford	--	91	16	28	7	5	6	27	11
705	116079	---do---	Copaneco	FC	S	P	Oxford	--	98	22	48	13	7	21	101	45
									105	19	45	11	10	9	82	20
									102	24	48	17	2	12	115	70
									78	27	58	17	4	10	127	58
									124	20	42	10	8	7	83	39
									105	21	48	13	7	9	102	33
									87	20	46	13	1	9	90	75
									67	29	62	15	3	8	79	42
									94	33	45	17	13	12	150	91
									99	36	56	22	18	11	202	70
									117	22	46	12	3	16	83	39
									82	19	43	15	6	10	81	37
									85	36	53	15	2	14	116	86
									78	32	58	17	4	7	128	51
									98	28	46	15	7	14	100	84
									61	22	37	12	5	6	59	19
									72	24	47	17	10	18	115	75
									93	23	48	23	16	14	159	71
									93	20	42	13	9	11	78	70
									127	20	42	19	12	12	137	57
									108	21	46					

706	116080	---do-----	Gigante -----	FC	S	P	Oxford --	45	110	19	45	14	14	12	100	59
708	116082	---do-----	Pina -----	P	S	P	Lexington --	61	102	20	46	21	13	17	144	22
710	116084	---do-----	-----	FC	S	P	Lexington --	38	100	23	47	12	12	78	45	
711	116085	---do-----	-----	FC	S	P	Oxford --	54	87	23	44	18	6	13	133	61
712	116087	---do-----	-----	FC	S	P	Oxford --	54	77	23	45	16	5	9	110	70
716	116144	People's Republic of China.	-----	FC	S	P	Lexington --	54	95	23	46	18	6	12	134	32
717	116145	Macrophylla -----	-----	FC	S	P	Lexington --	43	92	25	48	15	14	14	113	64
718	116146	---do-----	-----	P	S	R	Lexington --	51	95	22	42	16	17	10	139	40
719	116159	Peru -----	-----	P	S	R	Oxford --	40	107	25	48	14	10	14	108	68
720	116160	---do-----	-----	FC	S	P	Lexington --	47	101	19	44	14	2	10	108	39
721	116161	---do-----	-----	P	S	P	Oxford --	42	118	24	48	16	8	13	101	68
722	116162	---do-----	-----	FC	S	P	Lexington --	54	97	23	45	17	8	11	124	37
727	116167	---do-----	-----	FC	S	P	Oxford --	40	76	29	50	15	2	12	90	93
728	116168	---do-----	-----	P	S	P	Lexington --	50	62	31	65	16	4	8	106	59
729	116169	---do-----	-----	CW	S	P	Lexington --	35	106	31	47	11	6	18	73	59
730	116170	Ecuador --	-----	CW	S	P	Lexington --	65	76	23	38	8	7	7	43	19
731	116171	Peru -----	Mosaic Resistant -----	CF	S	P	Oxford --	49	91	32	51	17	7	11	129	98
732	116172	---do-----	-----	CF	S	P	Lexington --	61	90	32	53	19	12	11	139	53
732	116172	---do-----	-----	CF	S	P	Lexington --	35	89	29	50	14	3	13	89	66
734	116174	---do-----	-----	CF	S	P	Lexington --	42	64	23	44	11	2	10	55	32
735	116175	---do-----	Ccamato -----	P	S	P	Oxford --	40	90	28	48	14	7	17	114	73
743	116181	Mexico ---	-----	P	S	R	Lexington --	47	70	24	49	17	12	12	122	43
								45	132	27	41	16	1	13	100	73
								47	138	32	48	16	5	11	114	44
								54	88	28	53	18	2	14	143	107
								62	89	22	56	28	18	16	178	60
								42	107	27	47	16	9	19	98	52
								51	113	24	46	19	10	12	135	--
								61	77	25	45	16	12	20	157	57
								79	86	32	50	14	3	16	99	59
								40	75	29	53	13	2	10	82	33
								49	95	29	46	14	7	14	118	80
								55	88	28	49	16	14	10	138	63
								47	95	27	45	16	8	15	106	66
								86	--	--	--	22	12	--	128	25
								49	95	31	46	17	7	19	119	82
								76	82	19	34	25	9	--	160	40
								49	90	31	43	17	7	16	125	75
								76	87	24	48	21	18	7	155	56
								54	96	28	47	16	5	9	141	61
								57	83	24	58	19	4	10	142	61
								45	100	27	46	13	7	14	93	57
								54	91	20	47	17	15	9	97	37
								52	94	25	38	11	11	9	115	48
								54	109	28	43	11	17	10	127	--

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped			Post-topped	
745	116183	Mexico	---	P	S	P	Oxford	--	40	96	23	46	10	2	18	68	73
746	405531	---	Punta de Lanza	P	S	P	Lexington	--	44	79	24	58	16	4	9	63	35
747	405532	---	---	P	S	P	Oxford	--	40	86	24	48	13	6	16	100	73
748	405533	---	---	P	S	P	Lexington	--	49	88	20	52	15	11	11	106	52
750	405534	---	Tabaco Colorado	P	S	P	Oxford	--	40	100	23	48	13	7	15	108	80
751	405535	---	---	P	S	P	Lexington	--	49	84	21	51	14	8	10	116	55
752	116568	Costa Rica	Chircagre	P	S	P	Oxford	--	40	97	27	47	13	7	14	103	68
758	117024	Peru	---	P	S	P	Lexington	--	44	81	21	50	15	6	10	85	47
760	117026	---	---	P	S	P	Oxford	--	40	95	24	47	13	5	18	115	80
761	117027	---	---	P	S	P	Lexington	--	50	87	23	48	15	6	12	124	34
764	117030	---	Monte Libano	P	S	R	Oxford	--	38	111	23	42	12	7	9	111	66
765	117031	---	---	P	S	P	Lexington	--	46	88	21	40	15	8	8	105	--
767	117033	---	---	P	S	P	Oxford	--	47	85	28	43	16	5	19	112	84
769	117035	---	---	P	S	P	Lexington	--	58	93	33	51	19	12	10	176	69
770	117036	---	Amarillo	P	S	P	Oxford	--	47	91	32	51	14	5	11	112	73
771	117037	---	---	P	S	P	Lexington	--	54	83	28	56	18	3	12	144	84
772	117038	---	---	P	S	P	Oxford	--	38	127	20	42	12	6	13	84	41
776	117299	Venezuela	Del Rio, Pata Pelona	T	S	P	Lexington	--	39	81	16	34	15	7	10	106	24
779	117302	---	---	P	S	P	Oxford	--	43	119	23	45	14	9	18	101	55
780	117303	---	---	P	S	P	Lexington	--	53	97	21	45	17	8	12	129	33
782	117305	---	Enano	P	S	P	Oxford	--	57	85	20	37	17	10	22	125	66
783	117306	Venezuela	---	P	S	P	Lexington	--	65	103	28	50	24	24	15	185	95
784	117307	---	Paillon	P	S	P	Oxford	--	42	97	24	53	13	6	14	103	77
							Lexington	--	49	79	18	42	15	10	8	100	31
							Oxford	--	47	87	28	47	15	4	26	135	80
							Lexington	--	61	90	29	55	20	12	12	167	--
							Oxford	--	47	67	25	51	13	5	14	102	75
							Lexington	--	56	78	25	62	15	3	11	100	51
							Oxford	--	49	108	29	56	14	8	16	95	59
							Lexington	--	58	92	22	59	15	14	13	130	30
							Oxford	--	47	101	25	47	12	2	22	120	52
							Lexington	--	51	98	19	46	16	5	12	103	24
							Oxford	--	54	84	32	56	17	4	9	115	114
							Lexington	--	61	110	31	71	21	3	12	135	62
							Oxford	--	36	106	29	43	12	1	16	103	57
							Lexington	--	40	67	29	45	12	7	9	87	46
							Oxford	--	47	80	33	48	19	3	11	100	98
							Lexington	--	73	58	30	59	20	24	14	114	109
							Oxford	--	40	115	22	46	11	2	18	93	52
							Lexington	--	49	69	18	46	16	6	8	105	43
							Oxford	--	43	102	23	46	14	4	14	103	45
							Lexington	--	51	74	21	51	17	8	10	116	47
							Oxford	--	47	96	23	53	15	1	16	117	57
							Lexington	--	55	74	19	60	21	9	13	156	74
							Oxford	--	40	102	20	48	15	1	11	95	64
							Lexington	--	51	74	17	51	18	4	9	105	46

785	117308	---do----	Mixed	-----	P	S	P	Oxford --	40	86	25	51	15	11	16	90	52
786	117309	---do----	---	-----	P	S	P	Lexington	51	66	22	52	21	11	11	123	28
787	117310	---do----	---	-----	FC	S	P	Oxford --	54	97	29	50	17	5	19	144	66
788	117311	---do----	---	-----	FC	S	P	Lexington	59	99	29	65	20	6	9	161	81
789	117312	---do----	---	-----	P	S	P	Oxford --	45	77	28	52	14	5	17	105	75
790	117313	---do----	---	-----	P	S	P	Lexington	40	61	20	61	19	6	12	114	75
791	117314	---do----	---	-----	P	S	P	Oxford --	40	101	22	47	14	7	15	86	68
792	117315	---do----	---	-----	P	S	P	Lexington	51	80	17	49	16	11	10	124	40
793	117316	---do----	---	-----	P	S	P	Oxford --	44	98	23	47	14	7	14	98	52
794	117317	---do----	---	-----	P	S	R	Lexington	51	79	17	47	15	9	10	84	46
795	117318	---do----	---	-----	P	S	P	Oxford --	39	111	23	42	13	4	14	80	55
796	117319	---do----	---	-----	P	S	P	Lexington	48	89	14	32	14	6	10	64	14
797	117320	---do----	---	-----	P	S	P	Oxford --	34	87	18	28	9	7	18	63	34
798	117321	---do----	---	-----	CF	S	P	Lexington	34	66	19	32	8	8	7	52	16
799	117322	---do----	---	-----	FC	S	P	Oxford --	54	91	29	50	18	2	12	149	68
800	117323	---do----	---	-----	FC	S	P	Lexington	64	105	26	54	20	6	11	183	48
801	117324	---do----	---	-----	FC	S	P	Oxford --	73	83	24	42	17	6	10	117	100
802	117325	---do----	---	-----	FC	S	P	Lexington	--	81	24	50	25	10	--	147	64
803	117326	---do----	---	-----	FC	S	P	Oxford --	42	118	22	43	15	13	14	90	64
804	117327	---do----	---	-----	FC	S	P	Lexington	56	81	19	40	20	7	12	128	41
805	117328	---do----	---	-----	FC	S	P	Oxford --	57	87	27	45	18	13	25	138	59
806	117329	---do----	---	-----	FC	S	P	Lexington	96+	--	--	--	21	20	0	168	107
807	117330	---do----	---	-----	FC	S	R	Oxford --	57	90	27	42	17	13	19	138	89
808	117331	---do----	---	-----	CF	S	P	Lexington	74	84	27	44	22	22	15	154	72
809	117332	---do----	---	-----	CF	S	P	Oxford --	47	83	34	64	14	0	11	109	100
810	117333	---do----	---	-----	FC	S	P	Lexington	57	80	19	54	18	3	9	110	36
811	117334	---do----	---	-----	FC	S	P	Oxford --	40	113	25	46	18	18	14	93	73
812	117335	---do----	---	-----	P	S	P	Lexington	54	74	20	46	18	17	11	96	48
813	117336	---do----	---	-----	P	S	P	Oxford --	30	94	19	37	11	8	7	47	32
814	117337	---do----	---	-----	P	S	P	Lexington	53	98	20	41	7	7	7	57	21
815	117338	---do----	---	-----	P	S	P	Oxford --	40	121	23	42	13	7	13	90	45
816	117339	---do----	---	-----	FC	S	P	Lexington	48	86	24	36	15	8	10	104	51
817	117340	---do----	---	-----	FC	S	P	Oxford --	47	91	24	42	17	8	20	102	64
818	117341	---do----	---	-----	FC	S	P	Lexington	67	93	24	56	18	18	8	118	22
819	117342	---do----	---	-----	FC	S	P	Oxford --	51	95	23	46	15	9	21	95	70
820	117343	---do----	---	-----	B	S	P	Lexington	67	78	36	58	20	11	10	141	44
821	117344	---do----	---	-----	CF	S	P	Oxford --	45	99	25	42	14	12	18	77	80
822	117345	---do----	---	-----	CF	S	R	Lexington	54	87	25	49	18	7	10	112	59
823	117346	---do----	---	-----	CF	S	R	Oxford --	40	92	23	53	15	3	20	103	61
824	117347	---do----	---	-----	CF	S	R	Lexington	54	82	15	39	17	1	13	84	30
825	117348	---do----	---	-----	CF	S	R	Oxford --	45	86	23	45	17	10	18	119	64
826	117349	---do----	---	-----	CF	S	R	Lexington	53	91	20	39	17	8	8	90	36
827	117350	---do----	---	-----	CF	S	R	Oxford --	47	72	25	45	17	3	11	109	61
828	117351	---do----	---	-----	CF	S	P	Lexington	58	72	22	42	17	8	10	121	33
829	117352	---do----	---	-----	CF	S	P	Oxford --	47	104	24	45	14	9	20	103	59
830	117353	---do----	---	-----	P	S	R	Lexington	74	96	17	36	20	12	9	118	17
831	117354	---do----	---	-----	P	S	R	Oxford --	40	104	23	48	13	4	23	103	50
832	117355	---do----	---	-----	Lexington			Lexington	47	78	19	47	15	4	9	76	25

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CU=cigar wrapper, FC=flue-cured, H=hunarian, IT=no type identified, P=primitive, PY=pale-yellow, T=turkish; Leaf attachment: P=petiole, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped	Post-topped	
826	117996	Brazil	----	P	S	P	Oxford	--	84	24	42	11	4	16	52
828	118106	Venezuela	----	FC	S	P	Oxford	--	67	26	47	16	13	11	57
829	118107	-----do-----	-----do-----	FC	S	P	Oxford	--	99	24	47	15	1	16	59
832	118110	-----do-----	-----do-----	P	S	R	Oxford	--	99	24	51	17	4	9	45
834	118112	-----do-----	-----do-----	CF	S	P	Oxford	--	100	24	46	17	0	15	70
835	118113	-----do-----	-----do-----	CW	S	P	Oxford	--	84	22	52	17	3	8	123
839	118117	-----do-----	-----do-----	CF	S	P	Oxford	--	112	22	39	14	8	14	39
840	118118	-----do-----	-----do-----	CF	S	P	Oxford	--	83	14	36	16	14	4	26
841	118119	-----do-----	-----do-----	P	S	P	Oxford	--	104	19	56	16	2	13	59
843	118121	-----do-----	-----do-----	FC	S	P	Oxford	--	91	16	62	21	7	13	50
844	118122	-----do-----	-----do-----	CF	S	P	Oxford	--	96	29	52	15	4	18	77
845	118123	-----do-----	-----do-----	FC	S	P	Oxford	--	140	31	59	20	2	14	83
848	118126	-----do-----	-----do-----	CF	S	P	Oxford	--	90	24	55	17	0	15	98
850	118128	-----do-----	-----do-----	FC	S	P	Oxford	--	101	16	54	19	2	10	122
851	118129	-----do-----	-----do-----	CF	S	P	Oxford	--	91	25	57	17	1	13	102
852	118130	-----do-----	-----do-----	CF	S	P	Oxford	--	69	21	59	21	4	10	63
853	118131	-----do-----	-----do-----	P	S	P	Oxford	--	106	19	53	14	8	16	57
854	118132	-----do-----	-----do-----	FC	S	P	Oxford	--	73	12	56	19	6	9	36
855	118133	-----do-----	-----do-----	CF	S	P	Oxford	--	87	20	56	15	3	17	125
856	118134	-----do-----	-----do-----	CF	S	P	Oxford	--	73	18	65	21	8	12	89
857	118135	-----do-----	-----do-----	P	S	P	Oxford	--	88	28	58	16	0	6	116
859	118137	Venezuela	-----do-----	FC	S	P	Oxford	--	96	22	66	22	3	9	69
860	118138	-----do-----	-----do-----	P	S	P	Oxford	--	74	32	50	14	4	15	93
									66	31	56	16	2	11	39
									58	29	56	22	0	6	118
									76	20	59	30	7	--	101
									84	29	50	18	14	15	64
									64	25	43	20	18	8	43
									94	28	56	18	1	12	139
									93	22	58	25	6	12	74
									96	24	56	15	0	11	100
									83	23	61	25	2	11	73
									102	22	48	13	5	20	50
									106	25	51	18	11	9	46
									103	20	52	15	9	21	52
									75	17	48	21	17	12	53
									81	23	51	18	0	7	89
									73	21	54	28	6	9	79
									83	27	53	16	2	6	89
									84	22	57	20	3	8	55
									107	23	51	15	10	19	50
									70	20	51	16	9	11	34
									97	25	47	15	1	13	73
									98	29	58	18	3	7	53
									110	19	52	16	5	22	48
									74	13	45	17	7	8	99

861	118139	----do-----	Tabaco Negro -----	CF	S	P	Oxford --	51	91	25	56	14	1	13	117	75
865	118143	----do-----	-----do-----	CF	S	P	Lexington	69	50	20	51	21	5	0	101	42
866	118144	----do-----	-----do-----	CF	S	P	Lexington	--	64	20	47	29	2	--	138	164
868	118146	----do-----	-----do-----	CF	S	P	Oxford --	51	95	24	58	14	2	14	154	106
870	118148	----do-----	Negro or Salom -----	FC	S	P	Lexington	70	78	16	50	23	8	6	130	104
872	118150	----do-----	Tabaco Blanco -----	FC	S	P	Oxford --	57	85	20	53	18	0	8	134	57
874	118152	----do-----	Cola de Gallo -----	FC	S	P	Lexington	53	81	15	55	34	5	12	143	111
875	118153	----do-----	Cubano -----	P	S	P	Oxford --	43	100	27	48	14	3	19	169	100
877	118155	----do-----	Virginia -----	FC	S	P	Lexington	54	83	20	47	18	6	15	103	70
878	118156	----do-----	Caraqueno -----	FC	S	P	Oxford --	42	121	20	46	14	7	16	109	44
879	118157	----do-----	Uvero -----	FC	S	P	Lexington	54	67	18	48	14	4	7	93	38
880	118158	----do-----	Rabo de Gallo -----	CF	S	P	Oxford --	43	92	25	50	14	15	16	101	91
881	118159	----do-----	-----do-----	P	S	P	Lexington	53	107	21	52	17	12	10	117	38
882	118160	----do-----	Rabo de Gallo and Virginia.	P	S	P	Oxford --	36	107	22	36	10	7	11	69	39
883	118161	----do-----	Capadare -----	CF	S	P	Lexington	47	79	23	34	13	9	11	89	32
888	118166	----do-----	Cubano -----	P	S	P	Oxford --	43	95	23	56	17	7	21	116	64
889	118167	----do-----	Capadare and Rabo de Gallo.	CF	S	P	Lexington	59	102	22	58	20	8	13	143	50
890	118168	----do-----	Uvero, Caujaro and Capadare.	CF	S	P	Oxford --	47	89	20	52	15	0	13	137	82
891	118169	----do-----	Caujaro, Pailon, Gacho and Rabo de Gallo.	CF	S	P	Lexington	53	83	20	63	18	6	15	133	68
892	118170	----do-----	Pailon -----	CF	S	P	Oxford --	49	91	22	51	14	8	19	108	70
893	118171	----do-----	Caujaro -----	CF	S	P	Oxford --	61	88	24	58	18	5	18	129	40
894	118172	----do-----	El Que Se Siembra Aqui	CF	S	P	Lexington	47	99	23	57	14	0	12	129	66
896	118174	----do-----	Mixed -----	FC	S	P	Oxford --	69	64	20	64	14	4	3	85	58
899	118177	----do-----	Guacharo -----	CF	S	P	Oxford --	51	106	29	55	15	1	16	135	73

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: E=burley, CH=cigar filler, CV=cigar wrapper, FC=flue-cured, F=Hungarian, NT=no type identified, P=pale-yellow, T=turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped			Post-topped	
901	118179	Venezuela	Guacharo	CF	S	P	Oxford	--	45	92	27	52	14	0	16	113	77
910	118509	---do---	Americano and Cubano	P	S	P	Lexington	--	53	87	14	53	17	4	11	97	47
914	118513	---do---	---	P	S	P	Lexington	--	47	108	27	52	14	5	16	108	61
916	118515	---do---	---	P	S	P	Lexington	--	53	105	23	49	15	2	10	97	48
918	118517	---do---	---	CF	S	P	Lexington	--	49	106	25	51	16	4	20	118	50
920	118519	---do---	---	CF	S	P	Lexington	--	55	119	21	42	16	2	12	118	24
922	118521	---do---	---	CF	S	P	Lexington	--	49	94	23	42	14	6	15	98	77
927	118526	---do---	---	CF	S	P	Lexington	--	63	80	18	37	20	7	--	123	19
929	118528	---do---	Guacharo	NT	--	P	Lexington	--	47	95	27	47	14	9	20	108	75
931	118530	---do---	---	CF	S	P	Lexington	--	56	82	24	46	23	16	10	112	46
933	118532	---do---	---	CF	S	P	Lexington	--	51	--	23	51	18	5	8	130	82
934	118533	---do---	---	FC	S	P	Lexington	--	56	88	25	55	17	8	11	132	61
935	118534	---do---	Rabo de Gallo Negro	FC	S	P	Lexington	--	47	127	25	55	14	7	17	127	70
936	118535	---do---	Probably Capadare	FC	S	P	Lexington	--	56	107	20	50	19	16	12	141	53
937	118536	---do---	Rabo de Gallo Negro	FC	S	P	Lexington	--	51	93	23	51	15	6	15	103	91
940	118539	---do---	---	FC	S	P	Lexington	--	67	84	25	61	19	11	12	124	65
941	118540	---do---	---	CF	S	P	Lexington	--	57	93	24	56	22	12	13	165	74
942	118541	---do---	---	CF	S	P	Lexington	--	61	89	20	52	17	14	11	122	58
944	118543	---do---	Congo	CF	S	P	Lexington	--	49	94	27	57	17	3	17	146	77
946	118545	---do---	Mixed	CF	S	P	Lexington	--	59	75	18	51	21	9	16	155	52
947	118546	---do---	---	CF	S	P	Lexington	--	47	96	25	46	15	7	20	123	61
950	118549	Venezuela	Maporito	CF	S	P	Lexington	--	56	81	22	41	18	18	10	132	--
951	118550	---do---	---	CF	S	P	Lexington	--	57	80	27	56	16	0	11	124	89
			---	CF	S	P	Lexington	--	60	96	24	60	23	9	10	124	55
			---	CF	S	P	Lexington	--	47	79	24	53	16	3	15	112	93
			---	CF	S	P	Lexington	--	54	60	20	59	19	14	11	113	73
			---	CF	S	P	Lexington	--	49	94	22	48	15	5	16	102	68
			---	CF	S	P	Lexington	--	76	95	18	46	20	7	13	119	28
			---	CF	S	P	Lexington	--	54	81	23	52	14	3	12	119	93
			---	CF	S	P	Lexington	--	67	70	20	59	22	12	13	140	93
			---	PY	S	P	Oxford	--	40	89	27	48	13	10	14	93	57
			---	FC	S	P	Lexington	--	55	88	27	54	21	17	8	142	64
			---	CF	S	P	Lexington	--	49	101	27	48	16	5	14	104	98
			---	CW	S	P	Lexington	--	59	74	22	59	19	18	11	142	87
			---	CF	S	P	Oxford	--	57	86	31	50	16	10	15	170	80
			---	CF	S	P	Lexington	--	61	116	30	56	24	14	12	192	73
			---	CF	S	P	Oxford	--	51	101	29	51	13	9	16	125	52
			---	CF	S	P	Lexington	--	55	93	23	55	20	16	11	152	46

953	118552	---do-----	Planton	-----	FC	S	P	Oxford -- Lexington	51	88	23	50	19	1	15	135	75
955	118554	---do-----	Rabo de Gallo	-----	FC	S	P	Oxford -- Lexington	61	89	22	54	20	5	13	147	47
956	118555	---do-----	Cocoroteno	-----	P	S	P	Oxford -- Lexington	61	102	24	46	23	11	16	133	57
959	118430	Brazil	---	-----	CF	S	P	Oxford -- Lexington	48	81	20	46	15	5	19	174	63
960	118465	---do-----	-----	-----	CF	S	P	Oxford -- Lexington	47	89	25	47	15	10	19	113	39
964	118734	---do-----	Virginia Bright	-----	PY	S	P	Oxford -- Lexington	43	83	32	57	14	0	12	103	55
964	118734	---do-----	-----do-----	-----	FC	S	P	Oxford -- Lexington	47	98	34	56	15	1	12	121	43
967	118737	---do-----	Brasil Bahia	-----	P	S	P	Oxford -- Lexington	30	85	32	54	18	2	9	94	93
968	118738	---do-----	Cubano	-----	FC	S	P	Oxford -- Lexington	34	93	19	35	7	5	--	149	80
971	118741	---do-----	Gober Peloes	-----	CF	S	P	Oxford -- Lexington	47	66	27	47	16	4	12	99	61
973	118743	---do-----	Hickory Pryor	-----	FC	S	P	Oxford -- Lexington	54	95	31	61	16	3	18	151	55
975	118745	---do-----	Heavy Drooping Leaf	--	B	S	P	Oxford -- Lexington	67	61	28	63	17	1	10	106	77
979	118749	---do-----	Tripoli	-----	FC	S	P	Oxford -- Lexington	57	76	31	77	19	2	7	101	89
980	118750	---do-----	Perustitza	-----	T	S	P	Oxford -- Lexington	50	85	28	69	16	5	7	119	37
981	118751	---do-----	Samsun	-----	FC	S	P	Oxford -- Lexington	38	77	22	47	10	8	12	73	36
982	118752	---do-----	Goyano	-----	FC	S	P	Oxford -- Lexington	54	82	26	52	17	3	8	113	43
983	118753	---do-----	Havana	-----	T	S	P	Oxford -- Lexington	67	65	21	64	17	0	5	105	56
984	118754	---do-----	Sylvestris	-----	CF	S	P	Oxford -- Lexington	49	100	26	42	14	10	12	100	55
990	119106	---do-----	-----	-----	CF	S	P	Oxford -- Lexington	61	93	29	58	14	7	17	127	61
995	121073	Argentina	Chileno Grande Colorado.	-----	NT	S	P	Oxford -- Lexington	59	123	31	59	21	6	12	157	86
998	119821	---do-----	-----	-----	P	S	P	Oxford -- Lexington	73	83	27	76	27	6	13	165	170
999	119822	---do-----	-----	-----	PY	S	P	Oxford -- Lexington	--	91	18	59	27	8	--	184	75
1004	119886	Paraguay	-----	-----	FC	S	P	Oxford -- Lexington	58	85	19	53	19	7	12	136	66
1005	119887	---do-----	-----	-----	CF	S	P	Oxford -- Lexington	57	104	24	45	16	5	11	93	29
									49	87	23	56	14	1	13	90	80
									61	82	22	65	18	4	10	122	67

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CV=cigar wrapper, FC=flue-cured, L=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped		Post- topped	Height (cm)
1006	119888	Paraguay -	-----	PY	S	P	Oxford --	54	86	23	52	14	4	12	99	82
1007	119889	---do----	-----	NT	S	P	Lexington --	76	76	25	66	21	8	11	125	153
1008	121499	---do----	-----	PY	S	P	Lexington --	54	85	22	53	15	0	10	93	73
1011	121502	---do----	-----	PY	S	P	Oxford --	49	81	22	56	16	1	8	85	95
1013	120513	Turkey ---	-----	FC	S	P	Lexington --	63	88	20	65	16	0	6	95	51
1014	120514	---do----	-----	P	S	P	Oxford --	51	92	23	57	16	2	11	111	80
1017	120517	---do----	-----	T	P	P	Lexington --	45	89	25	72	24	8	10	135	128
1018	120518	---do----	-----	NT	P	P	Oxford --	42	98	27	53	12	6	12	97	100
1019	120519	---do----	-----	P	S	P	Lexington --	36	62	21	51	15	5	11	79	43
1022	119155	Venezuela	-----	CF	S	P	Oxford --	40	78	19	39	11	8	16	85	34
1024	119157	---do----	-----	P	S	P	Lexington --	45	97	22	48	12	10	10	80	25
1025	119158	Mixed: Rabo de Gallo, Oreja de Mula, Habano.	-----	FC	S	P	Oxford --	40	100	24	42	14	6	15	105	59
1026	119159	---do----	-----	CF	S	P	Lexington --	46	99	20	46	14	13	7	111	17
1028	119161	---do----	-----	CF	S	P	Oxford --	51	94	22	53	16	2	19	135	95
1029	119162	---do----	-----	CF	S	P	Lexington --	57	79	21	62	26	15	13	154	70
1030	119163	---do----	-----	CF	S	P	Oxford --	43	103	24	47	15	2	22	109	55
1031	119164	---do----	-----	CF	S	P	Lexington --	50	95	23	53	16	6	12	117	40
1032	119165	---do----	-----	CF	S	P	Oxford --	40	106	27	48	13	12	11	100	61
1040	119173	---do----	-----	CF	S	P	Lexington --	54	88	18	44	14	3	9	89	28
1042	119175	---do----	-----	CF	S	P	Oxford --	43	94	29	50	13	1	21	108	59
1043	119176	---do----	-----	CF	S	P	Lexington --	47	69	17	40	14	5	12	91	29
1046	119179	Venezuela	-----	FC	S	P	Oxford --	40	87	28	53	14	4	21	105	66
1048	119181	---do----	-----	P	P	P	Lexington --	54	97	21	48	15	5	9	85	30
								45	96	36	53	12	6	15	119	73
								56	104	21	36	15	8	10	99	21
								45	94	29	51	15	1	19	108	70
								48	91	27	55	17	8	13	138	46
								45	115	29	46	14	2	10	107	52
								45	97	15	41	14	7	12	93	39
								54	75	20	39	14	2	11	105	61
								54	87	16	40	14	5	7	65	24
								61	95	28	42	15	3	11	139	125
								57	73	29	49	17	6	9	132	72
								57	81	27	47	14	5	11	130	73
								67	84	23	46	23	9	--	185	46
								65	70	23	46	20	0	11	156	104
								--	74	24	52	35	5	--	183	56
								77	88	22	42	16	3	16	135	100
								--	76	28	57	29	7	--	148	100
								47	96	31	57	13	3	18	101	59
								54	102	34	63	15	1	14	110	59

1049	119182	---do----	Habano	-----	P	S	P	Oxford	--	52	103	25	50	15	13	10	125	57
1050	119183	---do----	Ambireno	-----	P	S	P	Oxford	--	57	84	24	54	20	16	10	157	51
1051	119184	---do----	Tabaco Negro	-----	FC	S	P	Oxford	--	45	113	25	50	15	4	18	82	57
1057	119190	---do----	-----	-----	CW	S	R	Lexington	--	54	102	20	45	15	14	14	70	33
1059	119192	---do----	-----	-----	CF	S	P	Oxford	--	49	83	25	50	17	4	11	97	65
1060	119193	---do----	-----	-----	P	S	P	Lexington	--	54	63	21	58	21	11	15	126	61
1061	119194	---do----	Cuba	-----	P	S	P	Oxford	--	43	86	29	50	15	6	16	115	43
1065	119205	Argentina	-----	-----	P	S	P	Lexington	--	50	76	33	49	17	9	12	98	98
1067	119207	---do----	Lampazo	-----	PY	S	P	Oxford	--	89	70	25	47	14	2	10	203	--
1068	119208	---do----	Hoja Parado	-----	PY	S	P	Lexington	--	--	84	25	58	33	16	--	198	--
1070	119210	---do----	-----	-----	FC	S	P	Oxford	--	57	91	33	50	16	0	8	109	68
1071	119211	---do----	-----	-----	CW	S	P	Lexington	--	57	68	32	46	25	7	--	141	67
1073	119869	Peru	-----	-----	FC	S	P	Oxford	--	50	83	28	43	17	1	14	135	84
1075	119871	---do----	Judi Pride Bertel	-----	B	S	P	Lexington	--	--	57	26	62	27	6	10	180	63
1075	119871	---do----	-----do-----	-----	FC	S	P	Oxford	--	44	86	27	52	15	2	14	89	57
1076	119872	---do----	Madole Tabaco	-----	FC	S	P	Lexington	--	57	50	21	64	20	7	9	100	60
1077	119873	---do----	Maryland Broadleaf	---	FC	S	P	Oxford	--	36	87	27	51	17	0	8	148	66
1078	119874	---do----	Semilla de Tabaco, Rustico Peruano.	-----	FC	S	P	Lexington	--	61	44	23	49	21	1	10	178	74
1079	405536	---do----	-----	-----	CW	S	P	Oxford	--	77	68	22	56	20	1	6	150	84
1080	405537	Venezuela	-----	-----	FC	S	P	Lexington	--	84	63	21	74	33	1	12	169	--
1082	121523	Argentina	-----	-----	PY	S	P	Lexington	--	49	84	28	50	17	0	10	130	75
1083	121524	---do----	-----do-----	-----	PY	S	P	Lexington	--	58	67	21	60	21	12	11	136	61
1084	121525	---do----	Chileno Colorado, Hoja Angosta.	-----	FC	S	P	Oxford	--	45	85	38	51	17	4	15	121	102
1085	121526	---do----	-----do-----	-----	PY	S	P	Lexington	--	56	88	33	55	16	5	13	117	57

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)	
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped			Post-topped
1088	121529	Argentina	Lampazo	PY	S	P	Oxford	--	83	28	52	16	1	6	147	75
1089	121530	---do---	Hoja Parada	PY	S	P	Lexington	61	82	30	56	20	1	8	151	79
1091	121532	---do---	Criollo Colorado	PY	S	P	Lexington	57	48	23	58	22	5	13	141	79
1092	121533	---do---	---do---	P	S	P	Lexington	54	39	31	54	19	4	10	110	75
1093	121534	---do---	---do---	CF	S	P	Lexington	40	108	23	48	14	6	16	133	83
1095	121536	---do---	Chileno Grande Colorado,	PY	S	P	Lexington	51	107	22	47	19	10	12	137	28
1097	121538	---do---	Chileno Grande Amari	FC	S	P	Oxford	49	75	27	47	13	0	9	70	95
1098	121539	---do---	---do---	PY	S	P	Lexington	--	53	11	27	17	0	--	93	10
1099	121540	---do---	Chileno Correntino	PY	S	P	Lexington	57	87	25	52	13	0	9	120	100
1100	121541	---do---	---do---	P	S	P	Lexington	--	66	24	52	26	3	--	136	92
1104	119409	Colombia	Castillo Negro	FC	S	P	Oxford	45	94	24	57	15	5	18	82	93
1110	119415	---do---	Habano	P	S	P	Lexington	56	62	23	71	17	7	10	127	63
1112	124166	Venezuela	Blanco	P	S	P	Lexington	45	107	25	56	16	10	17	93	66
1113	119447	---do---	Giron	FC	S	P	Lexington	55	73	21	56	19	19	12	121	65
1114	119448	---do---	Ambalema	CW	S	P	Oxford	77	80	31	55	19	1	6	175	143
1117	119451	---do---	Habano	FC	S	P	Lexington	--	71	27	62	29	5	--	201	87
1118	119452	---do---	Caribe	P	S	P	Lexington	45	105	23	50	17	6	16	106	52
1119	119453	---do---	Creja de Mula	CW	S	P	Lexington	56	68	22	56	19	12	11	111	52
1120	119454	---do---	---do---	P	S	P	Oxford	42	93	32	48	11	4	16	90	59
1122	119456	---do---	---do---	FC	S	P	Lexington	54	118	26	39	11	8	8	100	27
1123	119457	---do---	---do---	P	S	P	Oxford	43	114	31	46	15	7	16	88	61
1124	119458	Venezuela	---do---	FC	S	P	Lexington	52	94	24	42	12	11	9	113	41
1125	119459	---do---	Liso	CW	S	P	Oxford	47	85	29	48	16	5	14	109	95
							Lexington	47	87	23	42	16	9	10	125	48
							Lexington	45	98	31	50	16	5	14	56	104
							Lexington	52	73	25	47	18	13	4	143	48
							Oxford	43	96	24	48	13	4	18	100	55
							Lexington	46	99	23	57	15	8	12	93	39
							Oxford	47	98	28	47	15	4	14	111	84
							Lexington	50	100	23	40	16	10	10	99	23
							Oxford	44	97	24	45	12	0	20	73	61
							Lexington	53	90	23	45	17	16	11	88	40
							Oxford	49	86	25	51	13	0	14	94	57
							Lexington	53	60	32	71	22	4	18	166	106
							Oxford	42	96	28	52	13	3	16	102	73
							Lexington	50	79	18	40	14	9	10	76	38
							Oxford	45	119	31	48	13	5	15	75	61
							Lexington	51	96	31	60	16	19	13	105	65
							Oxford	45	96	27	47	14	9	17	99	73
							Lexington	50	100	24	46	16	11	10	88	49

1126	119460	---do----	-----	P	S	P	Oxford --	40	117	27	52	13	4	15	90	43
1127	119461	---do----	-----	P	S	P	Lexington --	46	101	23	52	15	14	11	97	45
1129	119463	---do----	-----	P	S	P	Lexington --	42	119	29	48	13	3	20	100	48
1130	119464	---do----	-----	P	S	P	Lexington --	44	96	20	40	16	8	14	105	27
1132	119466	---do----	-----	P	S	P	Lexington --	40	116	25	46	13	5	23	103	57
1133	119467	---do----	-----	P	S	P	Lexington --	47	109	18	38	16	14	10	101	42
1134	119468	---do----	-----	P	S	P	Lexington --	45	90	23	47	13	12	14	104	64
1136	119470	---do----	-----	P	S	P	Lexington --	52	105	22	42	23	24	12	97	57
1138	119472	---do----	-----	P	S	P	Lexington --	42	98	25	51	13	5	20	99	59
1139	119473	---do----	-----	FC	S	P	Lexington --	49	98	25	63	17	6	14	104	58
1140	124588	---do----	-----	FC	S	P	Lexington --	47	86	23	45	18	3	16	84	61
1141	405538	---do----	-----	FC	S	P	Lexington --	54	62	23	53	19	9	10	124	66
1143	405539	---do----	-----	FC	S	P	Lexington --	43	103	25	51	16	13	18	123	48
1144	124164	---do----	-----	FC	S	P	Lexington --	54	103	24	56	21	18	13	137	--
1145	405540	---do----	-----	FC	S	P	Lexington --	43	131	24	46	14	8	15	105	57
1148	128179	---do----	-----	FC	S	P	Lexington --	47	96	24	45	18	16	12	102	46
1160	130978	---do----	-----	FC	S	P	Lexington --	49	87	31	56	13	5	15	88	80
1201	405541	---do----	-----	FC	S	P	Lexington --	56	93	33	64	16	15	13	113	65
1202	405542	---do----	-----	FC	S	P	Lexington --	43	106	25	50	11	4	19	91	73
1203	408938	---do----	-----	FC	S	P	Lexington --	80	77	31	52	24	17	--	154	60
1204	405543	---do----	-----	FC	S	P	Lexington --	73	58	25	66	26	3	3	144	156
1205	405544	---do----	-----	FC	S	P	Lexington --	54	70	29	48	15	8	19	110	77
1211	405545	---do----	-----	FC	S	P	Lexington --	61	55	30	49	19	14	3	133	51
1212	405546	---do----	-----	FC	S	P	Lexington --	45	81	32	53	14	1	19	104	77
		Guatemala	-----	FC	S	P	Lexington --	58	72	26	54	19	10	11	142	51
		Bright Yellow x Yenshu	-----	FC	S	P	Lexington --	49	80	31	53	17	6	10	117	104
		No. 4.	-----	FC	S	P	Lexington --	76	80	28	54	25	5	10	128	67
		Mixed	-----	FC	S	P	Lexington --	47	71	36	53	16	0	8	116	100
		-----	-----	CF	S	P	Lexington --	54	74	21	53	18	2	8	112	61
		-----	-----	CF	S	P	Lexington --	49	101	24	39	13	2	11	104	70
		-----	-----	CF	S	P	Lexington --	54	88	33	51	16	12	12	128	67
		-----	-----	CF	S	P	Lexington --	77	82	25	48	18	0	11	177	91
		-----	-----	CF	S	P	Lexington --	--	74	26	57	32	6	0	210	110
		-----	-----	CF	S	P	Lexington --	65	87	29	50	16	1	10	158	105
		-----	-----	CF	S	P	Lexington --	96	64	35	54	29	3	--	219	85
		-----	-----	CF	S	P	Lexington --	65	93	36	51	17	1	8	150	73
		-----	-----	CF	S	P	Lexington --	--	76	33	54	28	5	--	198	142
		-----	-----	CF	S	P	Lexington --	47	84	31	52	14	1	15	119	80
		-----	-----	FC	S	P	Lexington --	58	68	31	63	19	5	11	139	38
		-----	-----	FC	S	P	Lexington --	42	120	27	51	15	8	14	123	57
		-----	-----	FC	S	P	Lexington --	54	101	18	48	17	9	11	136	39
		-----	-----	FC	S	P	Lexington --	51	100	27	52	13	9	18	128	77
		-----	-----	FC	S	P	Lexington --	75	87	16	41	25	10	9	136	42
		-----	-----	FC	S	P	Lexington --	38	82	33	46	12	7	15	103	57
		-----	-----	FC	S	P	Lexington --	47	61	27	45	18	7	11	95	47

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: E=burley, CF=cigar wrapper, FC=flue-cured, H=Hungarian, W=no type identified, P=primitive, PY=pale-yellow, T=turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant
									Angle (°)	Width (cm)	Length (cm)	Pre-topped	Post-topped	Height (cm)
1213	405547	Turkey	---	FC	S	P	Oxford	42	62	32	56	4	13	105
1214	405548	---	---	FC	S	P	Lexington	47	47	24	56	6	16	96
1215	405549	---	---	P	S	R	Lexington	48	106	36	48	5	14	52
1216	405550	---	---	P	S	R	Lexington	35	70	32	56	4	13	117
1217	405551	---	---	P	S	R	Lexington	40	95	18	34	10	22	54
1218	405552	---	---	H	S	R	Lexington	33	60	26	46	6	13	63
1219	405553	---	---	T	S	R	Lexington	38	91	25	48	5	20	63
1220	405554	---	---	H	S	R	Lexington	38	64	22	49	6	9	72
1221	405555	---	---	T	S	P	Lexington	40	70	27	48	10	11	57
1222	405556	---	---	T	S	P	Lexington	42	89	24	45	7	13	66
1223	405557	---	---	T	S	P	Lexington	44	74	28	49	6	10	59
1224	405558	---	---	T	S	P	Lexington	49	80	20	37	13	17	91
1225	405559	---	---	T	S	P	Lexington	54	94	19	37	15	14	89
1226	405560	---	---	T	S	P	Lexington	36	64	20	41	17	19	122
1227	405561	---	---	T	S	P	Lexington	42	50	20	37	9	13	77
1228	405562	---	---	T	S	P	Lexington	38	85	22	42	10	14	85
1229	405563	---	---	T	S	P	Lexington	48	70	25	42	6	13	91
1230	405564	---	---	T	S	P	Lexington	39	91	20	37	13	14	80
1231	405565	---	---	T	S	P	Lexington	49	95	21	42	8	13	92
1232	405566	---	---	FC	S	P	Lexington	43	82	19	34	16	11	95
1233	405567	---	---	P	S	P	Lexington	49	72	23	38	21	8	103
1234	405568	---	---	P	S	P	Lexington	37	85	23	41	8	12	42
1235	405569	---	---	P	S	P	Lexington	38	67	32	51	9	8	53
1236	405570	---	---	P	S	P	Lexington	38	110	23	56	2	19	79
1237	405571	---	---	T	S	W	Lexington	42	83	25	39	8	13	97
1238	405572	---	---	T	S	P	Lexington	48	53	20	41	6	16	114
1239	405573	---	---	T	S	P	Lexington	38	78	22	43	11	15	93
1240	405574	---	---	T	S	P	Lexington	49	68	23	45	5	14	101
1241	405575	---	---	T	S	P	Lexington	40	90	19	33	6	17	87
1242	405576	---	---	NT	S	P	Lexington	38	76	23	35	5	8	51
1243	405577	---	---	T	S	P	Lexington	27	120	20	33	9	7	46
1244	405578	---	---	T	S	P	Lexington	38	71	34	54	8	6	62
1245	405579	---	---	T	S	P	Lexington	27	89	25	37	4	23	127
1246	405580	---	---	T	S	P	Lexington	53	82	24	40	10	15	131
1247	405581	---	---	T	S	P	Lexington	42	94	31	51	2	14	94
1248	405582	---	---	T	P	P	Lexington	49	81	35	69	4	13	110
1249	405583	---	---	T	P	P	Lexington	43	103	22	39	8	13	125
1250	405584	---	---	T	S	P	Lexington	48	64	16	35	21	19	100
1251	405585	---	---	T	S	P	Lexington	37	121	29	39	11	15	77
1252	405586	---	---	B	S	P	Lexington	43	104	26	40	8	9	63
1253	405587	---	---	FC	S	P	Lexington	40	87	23	46	14	18	93
1254	405588	---	---	FC	S	P	Lexington	48	74	25	51	15	13	118
1255	405589	---	---	FC	S	P	Lexington	43	96	33	51	4	14	105
1256	405590	---	---	FC	S	P	Lexington	49	78	31	57	9	11	100

1241	405571	---do-----	Dubeque -----	T	S	P	Oxford --	47	92	27	45	17	2	20	113	64
1242	405572	---do-----	Dubeque Aecitron -----	T	S	P	Oxford --	51	76	25	43	18	4	14	131	54
1243	405573	---do-----	Dulvar -----	FC	S	P	Oxford --	40	81	25	45	13	9	12	97	48
1244	405574	---do-----	Havane -----	FC	S	P	Oxford --	46	61	23	42	19	15	11	103	43
1245	405575	---do-----	Herzogowina -----	FC	S	P	Oxford --	45	89	31	53	16	0	14	103	73
1246	405576	---do-----	Hongrois -----	H	S	P	Oxford --	48	83	37	63	18	3	8	104	67
1247	405577	---do-----	Maryland -----	T	S	P	Oxford --	40	90	37	55	12	6	22	103	70
1248	405578	---do-----	Muscateler -----	T	S	P	Oxford --	49	71	32	60	18	3	5	106	74
1249	405579	---do-----	Plantana -----	H	S	P	Oxford --	42	88	28	48	11	2	20	72	50
1250	405580	---do-----	Prayr -----	T	S	P	Oxford --	42	66	26	52	15	12	9	82	31
1251	405581	---do-----	Tike-Kulake -----	T	S	P	Oxford --	40	113	23	37	15	9	18	102	70
1252	405582	---do-----	Trapesund -----	T	S	P	Oxford --	47	105	23	39	15	8	13	82	31
1253	405583	---do-----	Virginia -----	FC	S	P	Oxford --	44	106	25	48	14	2	13	92	68
1254	405584	Yugoslavia	Simox -----	FC	S	R	Oxford --	--	--	--	--	--	--	--	--	--
1255	405585	Paraguay -	-----	H	S	P	Oxford --	38	90	37	57	11	1	17	113	77
1257	405586	Philip- pines.	-----	FC	S	P	Oxford --	44	68	32	64	14	4	11	116	61
1259	405587	Mexico ---	-----	T	S	P	Oxford --	47	84	31	47	14	15	19	96	61
1261	405588	India ----	Pusa Hybrid 142 -----	T	S	P	Oxford --	33	83	25	48	11	10	11	59	41
1268	405589	Ethiopia -	-----	T	S	P	Oxford --	49	75	24	45	21	3	16	139	77
1269	405590	---do-----	-----	T	S	P	Oxford --	56	65	21	45	28	4	17	140	68
1270	405591	---do-----	-----	T	S	P	Oxford --	40	96	23	43	14	5	17	98	64
1271	405592	---do-----	-----	FC	S	P	Oxford --	42	94	29	49	18	5	9	95	56
1272	405593	---do-----	-----	T	S	P	Oxford --	40	65	28	47	17	8	15	118	61
1274	405594	Korea ----	-----	T	S	P	Oxford --	47	76	22	43	17	9	11	105	58
				H	S	P	Oxford --	46	54	23	46	18	14	12	92	44
				CF	S	P	Oxford --	43	95	27	47	8	2	18	59	57
				H	S	P	Oxford --	48	73	32	61	22	4	12	79	68
				CF	S	P	Oxford --	48	87	22	37	15	7	22	63	50
				FC	S	P	Oxford --	45	73	25	45	16	5	11	67	34
				FC	S	W	Oxford --	51	131	28	55	12	3	13	102	73
				FC	S	P	Oxford --	45	127	15	42	13	6	11	77	34
				FC	S	R	Oxford --	50	109	34	51	14	4	19	140	77
				FC	S	P	Oxford --	47	91	25	48	15	6	9	129	44
				T	S	P	Oxford --	59	76	31	56	17	1	11	109	77
				T	S	P	Oxford --	35	64	27	59	19	3	10	126	51
				T	S	P	Oxford --	38	113	29	45	12	3	18	86	43
				T	S	P	Oxford --	40	59	27	43	9	8	10	58	22
				T	S	P	Oxford --	50	94	23	39	13	8	15	82	64
				T	S	P	Oxford --	42	69	24	35	12	14	6	91	31
				T	S	P	Oxford --	53	89	25	43	13	9	15	85	59
				T	S	P	Oxford --	40	91	23	36	13	11	6	78	19
				NT	S	P	Oxford --	50	86	25	42	14	10	14	96	55
				CF	S	P	Oxford --	47	69	21	39	14	12	9	105	40
							Oxford --	54	84	22	34	14	14	19	111	43
							Oxford --	42	74	18	33	17	18	11	126	32
							Oxford --	53	94	37	53	11	2	14	77	77
							Oxford --	47	47	31	57	14	4	9	86	60

KEY--Ti=tobacco introduction; PI=plant introduction; Plant types: P=burley, CF=cigar filler, CL=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PV=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)	
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped			Post-topped
1275	405595	Korea	-----	P	S	P	Oxford -- Lexington	33	107	27	45	13	4	16	101	55
1276	405596	----do----	-----	P	S	P	Oxford -- Lexington	34	64	13	24	8	3	6	40	13
1277	405597	----do----	-----	CF	S	R	Oxford -- Lexington	56	73	29	55	16	3	12	119	50
1278	405598	----do----	-----	T	P	P	Oxford -- Lexington	42	115	29	46	13	0	10	106	100
1279	405599	----do----	-----	CW	S	P	Oxford -- Lexington	43	82	27	48	12	0	7	80	62
1280	405600	----do----	-----	T	P	P	Oxford -- Lexington	40	113	25	45	15	6	10	97	68
1281	405601	----do----	-----	H	S	P	Oxford -- Lexington	51	114	26	53	16	6	11	116	59
1282	225967	Yugoslavia	Bubalovac -----	P	S	P	Oxford -- Lexington	77	77	39	56	17	4	6	210	100
1283	225968	----do----	-----	H	S	P	Oxford -- Lexington	--	83	35	59	29	8	73	242	66
1284	225969	----do----	-----	H	S	P	Oxford -- Lexington	43	138	33	51	12	2	15	100	93
1285	225970	----do----	-----	H	S	P	Oxford -- Lexington	61	73	20	41	18	0	9	149	32
1286	225971	----do----	-----	H	S	P	Oxford -- Lexington	35	129	20	34	12	4	24	99	70
1287	225972	----do----	-----	H	S	P	Oxford -- Lexington	38	80	16	27	9	6	9	48	14
1288	225973	----do----	-----	H	S	P	Oxford -- Lexington	47	87	25	51	16	4	19	82	86
1289	225975	----do----	-----	H	S	P	Oxford -- Lexington	53	63	28	64	18	3	13	80	73
1290	225976	----do----	-----	H	S	P	Oxford -- Lexington	47	78	32	51	16	1	11	86	77
1291	225977	----do----	-----	H	S	P	Oxford -- Lexington	60	67	34	59	23	5	14	119	100
1292	225978	----do----	-----	H	S	P	Oxford -- Lexington	47	98	29	50	10	3	15	60	105
1293	225979	----do----	-----	H	S	P	Oxford -- Lexington	43	86	36	66	14	4	8	59	44
1294	225980	----do----	-----	H	S	P	Oxford -- Lexington	40	89	25	45	10	5	17	53	55
1295	225981	----do----	-----	H	S	P	Oxford -- Lexington	47	64	27	54	16	8	11	75	52
1296	225971	----do----	Basina Bastajaka -----	T	S	P	Oxford -- Lexington	40	91	19	34	17	15	22	98	57
1297	225972	----do----	Blatec Type -----	T	S	P	Oxford -- Lexington	51	72	20	36	23	9	23	115	43
1298	225973	----do----	Debrecin Type -----	CF	S	P	Oxford -- Lexington	45	90	33	51	15	5	12	91	123
1299	225975	----do----	Nova Crnja Type -----	CF	S	P	Oxford -- Lexington	47	69	23	42	16	8	13	82	37
1300	225976	----do----	Kumanovo -----	H	S	P	Oxford -- Lexington	40	87	34	62	13	0	14	80	82
1301	225977	----do----	Prilep -----	H	S	P	Oxford -- Lexington	56	62	40	57	15	5	8	92	--
1302	225978	----do----	Prosočani Type -----	T	P	P	Oxford -- Lexington	40	90	36	58	12	1	12	88	109
1303	225979	----do----	Ravnjak Type -----	H	S	P	Oxford -- Lexington	50	75	39	64	13	3	7	94	78
1304	225980	----do----	Segedin-rose Type -----	CF	S	P	Oxford -- Lexington	40	82	24	42	11	6	20	53	39
1305	225981	----do----	Tance Type -----	H	S	P	Oxford -- Lexington	55	66	23	43	16	10	6	39	43
1306	225982	----do----	Zletova Type -----	H	S	P	Oxford -- Lexington									

1299	235558	Bolivia	--	Native Tobacco	-----	FC	S	P	Lexington	50	91	18	37	10	8	9	59	26
									Oxford --	52	101	24	45	17	11	12	138	55
1300	235559	---	do-----	-----	-----	PY	S	P	Lexington	73	95	22	47	21	18	14	151	41
									Oxford --	45	93	18	38	14	10	14	95	50
1301	235560	---	do-----	-----	-----	T	S	P	Lexington	53	70	16	33	15	16	6	89	23
									Oxford --	40	111	23	41	14	12	20	93	61
1302	235561	---	do-----	-----	-----	T	S	P	Lexington	53	79	20	41	15	17	12	90	31
									Oxford --	47	107	20	37	16	10	22	110	64
1303	235562	---	do-----	-----	-----	CF	S	P	Lexington	53	102	23	37	14	10	9	102	23
									Oxford --	49	92	34	53	13	0	7	125	93
1304	241412	Argentina		Mixed: Criollo, Salteno, Amarillo.		PY	S	P	Lexington	56	90	30	60	22	1	11	136	70
									Oxford --	51	80	27	57	17	3	8	123	86
1305	241413	---	do-----	Mixed: Criollo, Salta, Salteno, Hoja Parada.		PY	S	P	Lexington	59	70	28	68	24	5	11	154	102
									Oxford --	49	77	23	52	15	3	11	103	77
									Lexington	58	60	26	66	19	5	13	127	72
1306	241414	---	do-----	Oriental Samsun	-----	T	S	P	Oxford --	43	81	27	38	17	7	13	109	80
									Lexington	49	93	30	45	22	9	15	128	76
1308	240827	New Guinea		-----	-----	P	S	P	Oxford --	38	105	18	43	12	5	16	75	45
									Lexington	55	62	13	36	14	5	9	87	22
1309	239654	---	do-----	-----	-----	FC	S	R	Oxford --	54	116	28	51	13	6	13	133	80
									Lexington	72	88	26	53	16	14	3	145	61
1310	240354	---	do-----	-----	-----	CF	S	P	Oxford --	47	84	28	56	12	1	14	90	105
									Lexington	78	62	23	60	17	2	7	104	67
1311	239655	---	do-----	Oriental	-----	T	P	R	Oxford --	47	140	23	46	16	15	15	111	73
									Lexington	53	115	20	45	19	20	10	127	39
1312	241765	Chile	----	-----	-----	FC	S	P	Oxford --	49	74	29	50	14	4	16	138	61
									Lexington	59	80	25	48	20	15	10	161	48
1313	244753	Greece	---	Basma	-----	T	S	P	Oxford --	42	92	17	33	15	7	23	108	45
									Lexington	49	67	18	30	25	15	11	113	29
1315	405603	New Zealand.		Ipomopsisiflora	-----	T	S	P	Oxford --	33	112	27	43	12	5	20	78	66
									Lexington	38	78	26	48	9	3	7	42	34
1316	405604	---	do-----	Calcyiflora	-----	CF	S	R	Oxford --	36	111	37	50	11	7	14	78	68
									Lexington	44	79	31	50	12	2	11	73	43
1317	405605	---	do-----	Adjuctifolia	-----	T	S	P	Oxford --	40	89	17	42	15	7	28	92	61
									Lexington	41	70	16	47	12	17	8	90	32
1318	405606	---	do-----	Chinensis	-----	T	S	P	Oxford --	30	137	17	38	8	8	16	64	32
									Lexington	32	65	11	35	7	7	10	54	18
1319	241539	New Guinea		-----	-----	CF	S	R	Oxford --	58	115	24	50	14	4	8	135	68
									Lexington	64	111	22	60	16	9	10	147	51
1320	405607	Yugoslavia		Jaka Kireciler	-----	T	S	P	Oxford --	36	94	13	25	15	12	21	88	21
									Lexington	39	83	17	36	14	16	13	78	29
1321	405608	---	do-----	Ravnjak	-----	H	S	P	Oxford --	42	96	31	52	7	5	19	49	64
									Lexington	48	101	38	70	18	4	12	69	61
1322	405609	---	do-----	Bajino Basta Jaka Type		T	S	P	Oxford --	42	87	19	33	14	13	29	98	34
									Lexington	47	71	15	29	24	8	24	111	28

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T-Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped			Post-topped	
1323	405610	Yugoslavia	Nova Crnja	CF	S	P	Oxford	--	40	90	38	54	11	1	12	88	75
1324	405611	---	Tance	H	S	P	Lexington	43	43	95	22	39	11	10	10	70	20
1325	405612	---	Prilep	T	S	P	Lexington	--	40	94	27	48	7	3	14	60	77
1326	405613	---	Jaka Dzebel	T	S	P	Oxford	--	42	91	19	42	17	14	23	68	73
1327	405614	---	Vranjska Jaka	T	S	P	Lexington	53	53	99	20	37	15	6	12	103	38
1329	405615	---	Otljd	H	S	P	Oxford	--	40	98	17	29	15	7	19	68	27
1330	405616	---	Zrenjanin	CF	S	P	Lexington	40	40	71	14	25	16	7	12	58	23
1331	405617	---	Begej	CF	S	P	Oxford	--	38	117	18	32	14	9	17	87	32
1332	405618	---	Kruseracki Prosocan	T	S	P	Lexington	--	45	69	23	38	17	10	17	91	28
1333	405619	---	Zitkovacki Prosocan	T	S	P	Oxford	--	40	93	23	37	11	8	17	38	43
1334	405620	---	Segedinska Ruza	CF	S	P	Lexington	50	50	62	19	47	15	10	13	92	42
1335	405621	Greece	Smyrna	P	S	P	Oxford	--	42	105	33	55	14	1	16	92	89
1341	241767	Peru	---	CF	S	P	Lexington	53	53	101	38	66	14	5	8	119	74
1342	405622	France	Chinensis	P	P	P	Lexington	47	47	88	37	61	14	2	8	110	98
1347	405623	Austria	Praecox	P	S	P	Oxford	--	54	92	35	78	18	5	11	130	82
1348	405624	---	Sabolz	CF	S	P	Lexington	35	35	127	24	34	14	12	15	75	41
1349	405625	---	Ergo	B	S	P	Lexington	50	50	89	25	44	13	11	12	67	35
1350	405626	Rhodesia	Fodya	CF	S	P	Lexington	38	38	83	24	40	11	10	9	62	21
1351	405627	Vietnam	Thuoc Bop	FC	S	P	Oxford	--	43	91	34	55	13	0	14	110	102
1352	405628	---	---	CW	S	P	Lexington	54	54	103	32	43	15	10	18	169	98
1353	405629	Philip-pines.	Vizcaya	CF	S	P	Lexington	60	60	94	34	52	20	14	12	181	75
1354	405630	Philip-pines.	Simox	CF	S	P	Oxford	--	29	117	20	45	10	5	21	46	32
1355	405631	---	Oxsimsim	CF	S	P	Lexington	33	33	72	12	35	6	7	7	35	8
							Oxford	--	27	93	19	37	9	10	9	49	32
							Lexington	32	32	62	18	36	7	7	6	46	12
							Oxford	33	33	129	27	47	9	4	12	81	34
							Lexington	33	33	99	18	38	5	6	7	42	8
							Oxford	61	61	84	25	45	16	0	6	130	114
							Lexington	63	63	71	40	61	21	2	8	145	123
							Oxford	52	52	72	24	52	15	2	10	89	100
							Lexington	63	63	67	22	55	17	5	11	65	--
							Oxford	45	45	71	25	58	12	8	16	79	52
							Lexington	63	63	86	31	59	18	9	10	150	93
							Oxford	45	45	111	27	46	15	0	11	128	64
							Lexington	54	54	87	15	36	18	3	8	107	21
							Oxford	45	45	90	27	62	15	2	17	139	77
							Lexington	55	55	100	24	60	14	4	8	139	43
							Oxford	65	65	93	27	48	16	9	11	157	84
							Lexington	60	60	96	33	51	16	6	6	150	39
							Oxford	54	54	93	26	60	17	11	22	137	84
							Lexington	61	61	93	26	60	17	11	11	133	58

1356	405632	---do----	Oxviz	-----	CF	S	P	Oxford --	61	98	28	51	15	1	9	158
								Lexington	84	91	26	52	24	5	12	197
1357	405633	---do----	Vizoxviz	-----	CF	S	P	Oxford --	54	119	31	56	11	4	13	126
								Lexington	65	78	19	45	11	11	2	111
1358	405634	India	-----	Bosikappal	-----	CF	S	P	Oxford --	43	90	23	59	4	14	98
								Lexington	54	87	19	62	15	9	12	89
1359	405635	---do----	N.P. 59 Breeding Line	-----	FC	S	P	Oxford --	38	83	27	52	12	3	13	87
								Lexington	43	73	21	51	14	5	11	78
1360	405636	---do----	Natu Cheroot	-----	CF	S	P	Oxford --	52	76	18	52	14	3	9	140
								Lexington	60	69	20	58	27	6	17	159
1361	405637	---do----	L.S. 27 Breeding Line	-----	CF	P	P	Oxford --	43	104	31	61	11	2	11	79
								Lexington	55	79	21	51	14	6	9	66
1362	405638	---do----	F.T. 157 Hookah Type	-----	CF	S	P	Oxford --	42	108	27	48	8	1	17	44
								Lexington	51	67	26	45	11	6	9	30
1363	405639	---do----	N.P. 68 Breeding Line	-----	P	S	P	Oxford --	44	122	25	47	14	3	20	100
								Lexington	56	56	23	57	15	7	9	97
1364	405640	---do----	N.P. 4 Breeding Line	-----	P	S	P	Oxford --	40	125	33	47	13	1	21	96
								Lexington	53	109	27	49	10	6	7	58
1365	405641	---do----	S-12-5 Bidi	-----	CF	P	P	Oxford --	43	126	24	51	12	5	16	95
								Lexington	54	89	20	56	15	9	11	96
1366	408939	---do----	Dindigal Cheroot	-----	FC	S	P	Oxford --	45	72	33	60	16	4	14	117
								Lexington	54	86	27	64	16	3	6	114
1367	405642	---do----	Jati-1 Hookah	-----	CF	P	P	Oxford --	45	90	29	56	11	2	14	81
								Lexington	57	82	26	64	17	7	9	70
1372	267314	Argentina	-----	Chicoana No. 1	-----	PY	S	P	Oxford --	49	85	32	56	1	6	126
								Lexington	84	48	31	52	20	0	7	127
1373	405643	Cuba	-----	Coroja	-----	T	P	P	Oxford --	47	111	22	38	15	8	14
								Lexington	51	109	22	39	15	9	9	110
1374	405644	United States-Louisiana.	-----	Perique	-----	FC	S	P	Oxford --	57	64	28	51	18	1	9
								Lexington	59	89	25	61	19	2	13	115
1375	405645	Cuba	-----	#6055	-----	T	S	P	Oxford --	30	78	27	29	10	13	16
								Lexington	54	89	22	40	15	15	13	124
1376	405646	-----	Criollo	-----	T	S	P	Oxford --	45	108	20	39	15	10	14	110
								Lexington	47	74	21	34	14	5	11	82
1377	405647	Puerto Rico.	-----	Olor	-----	CF	S	P	Oxford --	57	89	24	51	19	9	18
								Lexington	67	87	21	60	21	8	12	158
1378	286819	Bulgaria	-----	Harmanliiska Basma No. 163.	-----	T	S	P	Oxford --	45	92	23	38	16	5	13
								Lexington	57	64	25	42	26	8	14	134
1379	286820	-----	Kozarsko No. 541	-----	T	S	P	Oxford --	42	99	19	39	13	9	17	64
								Lexington	42	54	19	48	17	7	17	77
1380	286821	-----	Kulsko	-----	T	S	P	Oxford --	36	99	17	34	14	9	22	82
								Lexington	45	68	19	37	17	11	12	72
1381	286822	-----	Mandrensko	-----	T	S	P	Oxford --	38	110	20	41	12	11	11	68
								Lexington	40	68	24	50	15	8	13	71
1382	286823	-----	Nevrokop No. 5	-----	T	S	P	Oxford --	61	85	20	32	17	3	7	135
								Lexington	64	53	19	30	--	0	5	--

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T-Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant			
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped		Post-topped	Height (cm)	Yield (g)
1383	286824	Bulgaria -	Rila No. 9	----	T	S	P	Oxford -- Lexington	38	96	22	42	14	8	18	111	43
1384	286825	----do-----	Sandanski No. 144	----	T	S	P	Oxford -- Lexington	53	57	17	35	15	4	9	51	20
1385	286826	----do-----	Sekirka	-----	T	S	P	Oxford -- Lexington	40	87	23	39	15	6	15	91	66
1386	286827	----do-----	Stanimaschka Basma No. 536.	-----	T	S	P	Oxford -- Lexington	47	56	23	41	18	3	11	96	42
1387	286828	----do-----	Sultansko	-----	T	S	P	Oxford -- Lexington	38	114	17	27	13	10	17	91	30
1388	286829	----do-----	Tekne	-----	T	S	P	Oxford -- Lexington	43	88	16	30	16	7	14	69	16
1389	286830	----do-----	Wisoka Marulea	-----	T	S	P	Oxford -- Lexington	42	87	20	37	15	9	19	110	61
1390	405648	Thailand -	Chiengmuan	-----	T	S	P	Oxford -- Lexington	44	69	20	39	20	9	15	113	37
1391	405649	----do-----	Chiengmai No. 1	-----	T	S	P	Oxford -- Lexington	36	104	25	37	13	3	17	78	45
1392	405650	----do-----	Kanburi	-----	H	S	P	Oxford -- Lexington	47	78	26	42	14	4	12	95	35
1393	405651	----do-----	Linkwai	-----	T	S	P	Oxford -- Lexington	41	98	22	42	8	6	17	60	41
1394	405652	----do-----	Loop Vieng Cook	-----	T	S	P	Oxford -- Lexington	37	74	24	42	12	6	10	50	24
1395	405653	----do-----	Mae Tah	-----	P	S	P	Oxford -- Lexington	45	98	19	33	11	4	15	83	36
1396	406654	----do-----	Muzor	-----	P	S	P	Oxford -- Lexington	47	63	20	36	20	3	2	95	34
1397	405655	----do-----	Nuk	-----	FC	S	P	Oxford -- Lexington	45	108	18	38	15	6	16	73	36
1398	405656	----do-----	Plonk Thae	-----	FC	S	P	Oxford -- Lexington	42	109	9	27	8	8	9	45	18
1399	405657	----do-----	Prae	-----	CF	S	P	Oxford -- Lexington	32	115	23	36	11	11	10	69	45
1400	287538	Rhodesia -	No. R-83, Line 256-1	----	CF	S	P	Oxford -- Lexington	63	103	19	31	13	7	10	87	19
1401	405658	Java	Vorstenlanden	-----	P	S	P	Oxford -- Lexington	53	86	17	41	18	6	8	123	33
1402	405659	----do-----	Timor	-----	P	S	P	Oxford -- Lexington	42	102	22	41	14	5	17	116	61
1403	405660	Argentina	Guacharo	-----	P	S	P	Oxford -- Lexington	54	93	18	33	14	4	8	63	15
1404	405661	Java	Hybrid 382	-----	P	S	P	Oxford -- Lexington	33	115	23	41	10	2	14	85	43
1405	251999	Turkey	-----	----	T	S	P	Oxford -- Lexington	37	100	15	26	7	7	8	48	20
					P	S	P	Oxford -- Lexington	34	114	20	43	10	3	12	96	55
					CF	S	P	Oxford -- Lexington	51	75	7	24	12	4	4	56	--
					CF	S	P	Oxford -- Lexington	54	83	15	41	19	18	20	134	73
					CF	S	P	Oxford -- Lexington	--	84	13	43	29	10	--	130	38
					P	S	R	Oxford -- Lexington	42	90	31	56	13	2	11	88	91
					CF	S	P	Oxford -- Lexington	32	63	21	59	16	5	13	88	33
					CF	S	P	Oxford -- Lexington	40	97	23	47	14	1	23	121	59
					CF	S	P	Oxford -- Lexington	--	95	17	41	19	10	12	129	35
					FC	S	P	Oxford -- Lexington	42	66	19	50	13	2	12	121	77
					FC	S	P	Oxford -- Lexington	54	73	15	47	18	3	9	116	29
					FC	S	P	Oxford -- Lexington	44	98	25	51	13	7	19	99	82
					FC	S	P	Oxford -- Lexington	57	78	21	58	19	11	11	127	54
					CW	S	P	Oxford -- Lexington	49	68	28	51	14	0	9	140	82
					P	S	P	Oxford -- Lexington	54	53	19	49	19	1	7	136	54
					P	S	P	Oxford -- Lexington	51	78	31	50	18	4	11	136	89
					CF	S	P	Oxford -- Lexington	65	73	23	46	20	4	13	149	53
					CF	S	P	Oxford -- Lexington	40	109	22	56	15	2	27	95	59
					T	S	P	Oxford -- Lexington	50	78	11	48	15	9	13	97	33
									42	96	32	55	11	1	15	82	98
									47	93	28	57	15	5	9	96	41
									53	48	24	39	28	12	12	146	53

1406	408940	Germany --	Virgin A Mutant	-----	B	S	P	Oxford --	--	--	--	29	54	--	14	--	10	12	--	--	46
1407	293914	Bulgaria -	Trapezund 161	-----	T	P	P	Lexington --	58	85	Lexington --	24	43	P	16	10	20	79	P	85	85
1408	293913	---do-----	Immunyi	-----	T	S	P	Lexington --	54	69	Lexington --	24	46	P	21	17	13	112	P	112	40
1409	293912	---do-----	Dubec 566	-----	T	S	P	Lexington --	47	85	Lexington --	32	50	P	16	8	20	113	P	75	75
1410	293911	---do-----	Dubec 7	-----	T	S	P	Lexington --	56	101	Lexington --	22	50	P	19	8	12	147	P	147	--
1411	293910	---do-----	American 287	-----	T	S	P	Lexington --	45	85	Lexington --	25	39	P	16	9	16	110	P	84	84
1412	293909	---do-----	Alma-Ata 315	-----	T	S	P	Lexington --	61	24	Lexington --	25	40	P	20	5	16	135	P	40	40
1414	405662	Italy ----	Grande Reditto	-----	B	S	P	Lexington --	44	98	Lexington --	20	37	P	15	12	25	98	P	61	61
1415	405663	Rhodesia -	Grande Reditto	-----	T	S	P	Lexington --	49	75	Lexington --	19	39	P	21	14	14	101	P	29	29
1416	260362	Brazil ---	Bahia V-254	-----	T	S	P	Lexington --	33	124	Lexington --	12	37	P	12	12	19	72	P	39	39
1417	260363	---do-----	Paulista V-728	-----	CW	S	P	Lexington --	45	96	Lexington --	25	46	P	13	10	12	95	P	27	27
1418	260364	---do-----	Jorginho V-362	-----	CF	S	R	Lexington --	95	24	Lexington --	19	34	P	15	12	18	106	P	48	48
1419	260365	---do-----	Tiete V-380	-----	PY	S	P	Lexington --	67	18	Lexington --	33	30	P	20	11	16	99	P	30	30
1420	260366	---do-----	Chinez V-34	-----	CF	S	P	Lexington --	82	24	Lexington --	24	52	P	19	2	6	202	P	129	129
1421	260367	---do-----	Burley Campinas V-690	-----	B	S	P	Lexington --	52	75	Lexington --	29	76	P	19	3	7	140	P	91	91
1422	260368	---do-----	Jorge Grande V-66	-----	CW	S	R	Lexington --	104	45	Lexington --	32	57	P	28	2	1	300	P	141	141
1423	260369	---do-----	Virginia V-192	-----	PY	S	R	Lexington --	--	67	Lexington --	19	58	P	30	4	--	185	P	85	85
1424	260370	---do-----	Goyano V-70	-----	CF	S	R	Lexington --	42	78	Lexington --	22	37	P	11	6	16	73	P	43	43
1425	260371	---do-----	Virginia V-1	-----	PY	S	P	Lexington --	36	74	Lexington --	19	35	P	5	4	5	39	P	10	10
1426	405664	Liberia --	Russian R.S.E.	-----	CF	S	P	Lexington --	42	95	Lexington --	24	38	P	12	5	10	87	P	50	50
1427	405665	---do-----	Sumatra B-2	-----	T	S	P	Lexington --	53	63	Lexington --	24	39	P	11	6	7	97	P	24	24
1440	405666	Poland ---	V-20	-----	P	S	P	Lexington --	54	77	Lexington --	25	47	P	14	1	11	145	P	80	80
1441	292195	---do-----	Italian 2B Resistant	-----	FC	S	P	Lexington --	61	96	Lexington --	22	49	P	19	4	15	157	P	27	27
1442	292196	---do-----	Italian 3B Resistant	-----	FC	S	W	Lexington --	47	75	Lexington --	24	52	P	12	1	11	109	P	89	89
			945.					Lexington	54	109	Lexington	22	60	P	17	0	6	105	P	60	60
								Lexington	35	109	Lexington	29	50	P	12	5	17	78	P	61	61
								Lexington	49	78	Lexington	24	49	P	13	9	11	77	P	33	33
								Lexington	47	89	Lexington	31	50	P	14	7	14	101	P	107	107
								Lexington	57	70	Lexington	30	59	P	18	7	10	126	P	62	62
								Lexington	54	87	Lexington	28	52	P	17	17	144	P	70	70	
								Lexington	63	76	Lexington	24	54	P	14	1	10	113	P	34	34
								Lexington	73	76	Lexington	22	43	P	16	0	11	142	P	61	61
								Lexington	--	72	Lexington	26	53	R	24	7	--	167	P	75	75
								Lexington	57	77	Lexington	25	51	R	14	0	8	136	P	95	95
								Lexington	--	70	Lexington	21	51	R	9	--	--	154	P	92	92
								Lexington	45	91	Lexington	24	45	P	13	10	11	99	P	68	68
								Lexington	67	78	Lexington	21	43	P	20	15	11	--	P	24	24
								Lexington	43	91	Lexington	32	50	P	13	1	13	100	P	84	84
								Lexington	54	77	Lexington	38	66	P	18	7	7	130	P	121	121
								Lexington	49	83	Lexington	20	36	P	14	6	12	121	P	43	43
								Lexington	51	78	Lexington	20	45	P	19	7	12	110	P	50	50
								Lexington	--	--	Lexington	--	--	P	--	--	--	--	P	--	--
								Lexington	54	90	Lexington	19	57	P	20	8	8	141	P	60	60
								Lexington	48	55	Lexington	29	52	P	18	5	13	110	P	89	89
								Lexington	50	74	Lexington	31	63	P	18	6	8	110	P	55	55
								Lexington	55	52	Lexington	34	55	P	22	17	12	156	P	119	119
								Lexington	63	74	Lexington	29	63	P	29	14	13	170	P	134	134

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, I=I no type identified, P=primitive, PY=pale-yellow, T=turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped			Post- topped	
1443	292197	Poland	Austrian Aspasia	FC	S	P	Oxford	--	69	32	54	17	15	9	102	94	
1444	292198	-----	Swiss Jaune Resistant Sota.	B	S	P	Oxford	--	75	36	62	18	1	8	92	71	
1445	292199	-----	Austrian Kiev 43	FC	S	P	Oxford	--	49	29	58	18	5	9	115	103	
1446	292200	-----	Tinia 1	FC	S	P	Oxford	--	64	35	60	18	4	7	108	97	
1447	292201	-----	Tinia 9	FC	S	P	Oxford	--	48	28	59	17	10	10	140	111	
1448	292202	-----	French Paraguay II	FC	S	P	Oxford	--	57	29	63	16	3	8	86	48	
1449	292203	-----	French Rhinan Burley	B	S	P	Oxford	--	50	31	60	19	2	7	166	125	
1450	292204	-----	German Virginia 230	FC	S	P	Oxford	--	35	30	63	19	4	10	119	70	
1451	292205	-----	Zlotolistny Ihar	NT	--	--	Oxford	--	55	30	63	19	4	10	119	70	
1452	405667	Cuba	Remedios	T	S	P	Oxford	--	57	48	68	19	1	6	182	116	
1453	405668	-----	Vuelta Abajo	T	S	P	Oxford	--	61	35	59	20	3	7	134	--	
1454	405669	-----	Little Cuba	P	S	P	Oxford	--	46	30	59	13	15	4	107	94	
1455	405670	Brazil	Mixed: Export Adora, DeFumos, Suerdieck.	FC	S	P	Oxford	--	72	35	64	15	3	6	94	54	
1456	405671	Honduras	Pina Blanca	FC	S	P	Oxford	--	52	30	58	20	14	10	158	103	
1457	405672	-----	Colombian Garcia	CF	S	P	Oxford	--	64	36	62	19	2	7	120	65	
1458	405673	-----	-----	FC	S	P	Oxford	--	54	41	68	19	1	6	122	108	
1459	304898	Germany	PR B 144	B	S	P	Oxford	--	69	31	53	17	8	10	116	89	
1460	304899	-----	PR B 151	B	S	P	Oxford	--	47	31	59	18	5	9	130	87	
1461	304900	-----	PR V 131	FC	S	P	Oxford	--	96	23	38	11	7	13	62	48	
1462	304901	-----	PR Z 65	FC	S	P	Oxford	--	77	23	42	12	6	9	84	21	
1463	304902	-----	PR Z 78	FC	S	P	Oxford	--	123	23	39	15	14	15	102	59	
1465	405674	Ghana	Native Tobacco	CF	S	P	Oxford	--	84	21	38	15	4	14	115	42	
1466	405675	Australia	GA955, Blue Mold Re-sistant Line.	CF	S	P	Oxford	--	116	22	38	14	5	22	73	57	
									71	17	34	8	8	7	50	16	
									103	24	36	15	7	19	71	45	
									111	26	42	15	7	10	112	37	
									56	27	51	15	6	13	96	64	
									49	27	58	19	4	13	135	89	
									67	27	58	19	4	13	135	89	
									89	28	48	20	0	2	207	125	
									Lexington	--	--	--	--	--	202	123	
									Lexington	--	60	25	30	3	--	202	123
									Lexington	--	61	33	17	7	12	92	84
									Lexington	--	69	31	18	7	10	100	102
									Lexington	--	86	28	17	1	11	155	118
									Lexington	--	68	40	22	15	12	129	118
									Lexington	--	86	28	15	1	7	107	84
									Lexington	--	75	34	16	5	10	129	76
									Lexington	--	58	34	16	5	19	109	120
									Lexington	--	63	32	17	13	9	96	63
									Lexington	--	55	37	18	3	13	105	89
									Lexington	--	74	30	20	6	6	119	65
									Lexington	--	93	29	15	1	19	117	73
									Lexington	--	62	32	16	4	12	130	58
									Lexington	--	87	22	14	4	15	120	116
									Lexington	--	82	17	20	7	9	124	28
									Lexington	--	81	34	13	1	11	106	86
									Lexington	--	62	31	17	3	7	120	--

1467	408941	Colombia -	Cubita Seed	-----	CF	S	P	Oxford --	89	86	31	47	15	3	4	225	109
1472	301016	Venezuela	Guacharo Oriente	-----	NT	P	P	Oxford --	100	80	28	56	28	4	--	219	84
1473	301017	----do-----	Guacharo U.S.A.	-----	P	S	P	Lexington	60	45	30	64	20	3	8	160	97
1474	301018	----do-----	Salom I	-----	FC	S	P	Oxford --	53	62	15	49	19	5	17	100	66
1475	301019	----do-----	Salom II	-----	CF	S	P	Lexington	72	78	30	67	34	8	12	145	68
1476	301020	----do-----	Salom III	-----	P	S	P	Oxford --	56	76	18	49	16	8	18	105	34
1477	301021	----do-----	Salom IV	-----	CF	S	R	Lexington	60	101	34	59	21	1	6	136	95
1478	405676	India ----	Chatham	-----	FC	S	P	Oxford --	89	78	33	60	17	5	1	164	91
1479	405677	----do-----	DR-1	-----	CF	S	P	Lexington	56	81	25	59	30	7	--	215	109
1480	405678	Canada ---	Ottawa 705	-----	CF	S	P	Oxford --	47	61	36	53	14	0	9	199	--
1482	307914	Peru -----		-----	CW	P	P	Lexington	56	75	38	63	17	0	5	119	116
1484	302475	Bolivia --		-----	CW	P	P	Oxford --	43	90	28	58	12	3	15	77	101
1485	405679	Great Salvage Island.		-----	T	S	P	Lexington	55	69	24	64	16	8	8	78	57
1486	405680	Germany --	Forcheimer Fo	-----	CF	S	P	Oxford --	40	89	34	56	13	1	15	95	70
1487	405681	----do-----	Forcheimer Hanica	-----	CF	S	P	Lexington	--	--	--	--	--	--	--	--	--
1488	405682	----do-----	Forcheimer	-----	FC	S	P	Oxford --	47	109	29	48	16	10	17	116	77
1489	405683	----do-----	Gendertheimer III. Forcheimer NFT 51	-----	CF	S	P	Lexington	76	80	24	47	15	10	10	132	38
1490	318756	Colombia -	Costillo Habano	-----	NT	S	P	Oxford --	54	104	28	46	15	2	18	136	82
1491	318757	----do-----	Costello Negro	-----	FC	S	P	Lexington	66	116	27	49	21	11	10	154	64
1492	321709	Bulgaria -	Djebel 174	-----	CW	S	P	Oxford --	47	97	17	36	13	13	15	80	52
1493	321710	----do-----	Djebel 359	-----	T	S	P	Lexington	52	64	17	42	16	16	9	85	34
1494	321711	----do-----	Haskowo 2002	-----	H	S	P	Oxford --	44	90	38	55	14	2	15	109	93
1495	321712	----do-----	Ostrolist B-27-47	-----	FC	S	P	Lexington	51	100	41	57	--	5	8	--	68
								Oxford --	40	85	33	56	11	1	11	90	95
								Lexington	47	60	31	65	17	2	7	94	63
								Oxford --	40	62	31	55	15	3	15	108	80
								Lexington	47	79	33	63	16	1	6	98	39
								Oxford --	40	77	31	56	13	1	13	99	77
								Lexington	54	69	33	69	18	4	7	120	51
								Oxford --	65	96	34	57	18	1	18	140	102
								Lexington	69	88	28	65	27	7	--	165	95
								Oxford --	--	--	--	--	--	--	--	--	--
								Lexington	--	70	23	67	31	3	--	167	105
								Oxford --	44	87	33	51	16	4	19	114	82
								Lexington	56	76	32	55	18	5	8	139	72
								Oxford --	35	97	17	25	10	9	12	50	27
								Lexington	45	55	14	24	10	5	9	55	10
								Oxford --	37	108	29	51	15	2	20	65	50
								Lexington	45	64	25	52	15	4	9	86	36
								Oxford --	45	103	29	55	18	2	17	114	66
								Lexington	54	61	29	62	20	7	13	137	60

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, Cl=cigar wrapper, FC=flue-cured, F=flue-gar, NT=no type identified, P=pink, PY=pale-yellow, T=turkish; Leaf attachment: P=petiole, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Flower Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)
									Angle (°)	Width (cm)	Length (cm)	plant No./	Pre-topped		
1496	321713	Bulgaria	Sekirka	T	S	P	Oxford	33	85	15	27	13	3	11	25
1497	321714	---do---	Trapezund	P	P	P	Oxford	43	68	15	25	17	3	13	22
1498	322743	Brazil	Rippez	PY	S	P	Oxford	43	99	31	45	14	2	21	43
1499	322744	---do---	Anarelao	PY	S	P	Oxford	89	84	21	42	18	3	14	35
1500	329206	USSR	Immune 580	FC	S	P	Oxford	89	72	23	57	17	1	1	86
1501	329207	---do---	Immune 580 Male Sterile.	FC	S	R	Oxford	84	57	35	64	15	6	3	171
1502	338508	Republic of China.	Rhodesian W.K. 39	NT	S	P	Oxford	84	58	28	55	20	0	5	109
1503	338509	---do---	Rhodesian Immunzi	NT	S	P	Oxford	84	58	32	64	31	0	9	192
1504	338510	---do---	Rhodesian Trapezund 161.	NT	S	P	Oxford	53	62	29	73	19	4	10	90

KEY: TI=tobacco introduction; PI=plant introduction; Plant types: E=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
SOUTHERN REGION
P. O. BOX 53326
NEW ORLEANS, LOUISIANA 70153

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR 101



FIRST CLASS